CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

MARCH 19 1955





ORDERS THROUGH WHOLESALERS

POTTER'S CRYSTALLISED CATARRH PASTILLES

Trade 12/6 a doz.

Made specially for those who prefer a "sugary" taste. Tastefully packed and contained in a very smart display outer, Potter's Crystallised Pastilles are a firm favourite with children.



through your usual

wholesaler.



Here's
something
most
Mothers
need to buy

6 out of every 10 mothers who come into the shop will want to buy NILBITE if they see it on your counter.

NILBITE is the only proprietary which really stops nailbiting and thumbsucking. It contains no aloes, no quassia and is absolutely harmless.

And, retailing at 2/9 (no purchase tax), it shows you a profit of 11d. a bottle. $(3\frac{3}{4}\% - 7\frac{1}{2}\%$ additional profit if ordered on 'ALL-IN' terms.)

This striking little display occupies only 4" of your counter, but most chemists find it helps our press advertising to bring useful, extra turnover every week.

WALTER CROWE LTD.

DISTRIBUTORS

3;4 LITTLE RUSSELL STREET, LONDON, W.C.I

Telephone: Chancery 7051/2

Telegrams: Reliances, Westcent, London

BLAND RAPID-ACTING PLEASANT P

Disprin

is a highly suitable analgesic for



the personal use of everyone



DISSOLVED IN WATER, a "Disprin" tablet forms a true solution of calcium aspirin. This solution is substantially neutral. Disprin provides soluble aspirin of high and unvarying quality.





RETAIL PRICES

(incl. P.T.)

50-tablet bottle 3/2 26-tablet bottle 1/11 8-tablet foil $8\frac{1}{2}$ d.

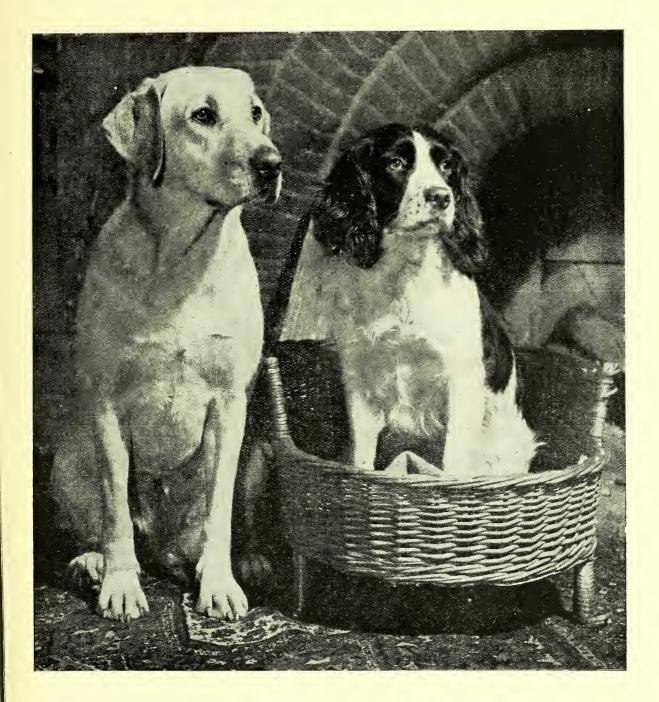
TRADE PRICES

(excl. P.T.)

50-tablet bottle 23/- doz. 26-tablet bottle 13/10 doz. 8-tablet foil 5/2 doz.

N.H.S. basic price 300 tablets in foil 7/6

RECKITT & COLMAN LTD., HULL & LONDON (PHARMACEUTICAL DEPT., HULL)



Best beloved subjects with all amateurs and a steady source of profit for professionals—animals and pets. Gevapan 33 has great speed, fine grain quality and an exposure latitude of nearly a full stop either way: invaluable in spontaneous snap shotting—facts which your customers will be quick to appreciate.



GEVAPAN 33

GEVAERT LIMITED . ACTON LANE . HARLESDEN . N.W.10





Six prizes—each consisting of fourteen days in lovely Ostend any time during June or September, 1955, for you and your family (or you and a friend if you are single). First class hotels. First class food. First class travel there and back. All free—plus £50 to spend while you are there.

Here's how to win. If you are a shop owner or manager, simply see that all your counter assistants enter the Contest. If one of them wins, there's an entirely separate free holiday for you too. If you are an assistant, start to-day collecting the bands from all the packets of Modess Masslinn sanitary towels you sell. Fill in the Entry Form below, completing the sentence: "I recommend Modess Masslinn to my customers because..." using not more than twenty additional words. Then send it in with 50 bands. Send as many entries as you like, providing each is accompanied by 50 bands. Prizes will be awarded to the six entries judged to be the most apt, original and sincere. Prize-winning entries will be chosen by an independent panel of judges. The judges' decision shall be final and no correspondence can be entered into. Proof of posting cannot be accepted as proof of delivery. The last date for entries to reach us is 30th April, 1955.

NOW!
USE THIS
FORM

Fill in this coupon and attach it to your entry on a plain sheet of paper on which you
should complete the sentence: "I recommend Modess Masslinn to my customers
because" using not more than twenty additional words. Be sure to send
50 Modess Masslinn bands with your entry.

Nanıe.... . .

Shop Address

I have read the rules of the Contest and agree to abide by them.

To: Johnson & Johnson (Gt. Britain) Ltd., Dept. C.D. 24 25 Princes St., London, W.1.

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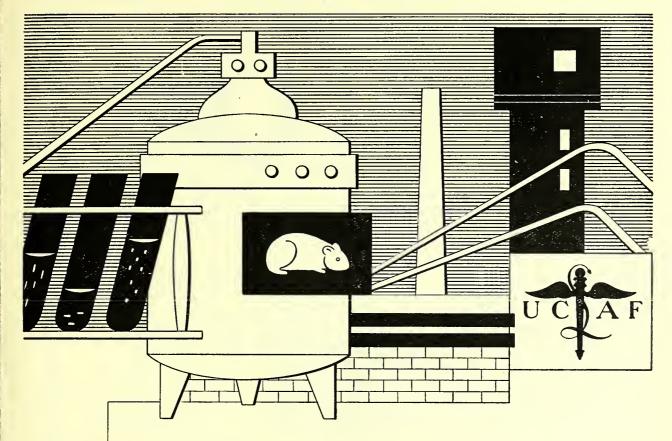
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"YOUR NAME" COUNTER PRODUCTS MEAN REPEAT BUSINESS Your name on the products you sell is the sure means of bringing customers again to your shop. We offer you:-OUR NAME A good range of pharmaceutical steady sellers. Attractively packed, labelled with your own name. YOUR NAME Our guarantee of quality. YOUR NAME Competitive prices. Quick Delivery. OUR NAME 78 (48 (48) May we have W.B.CARTWRIGHT the pleasure of quoting you? Manufacturing RAWDON LEEDS Chemists

Manufocturers of Moorland Indigestion Toblets. Penetrol Inhalant. Lobelline etc.



Synthetic drugs · Vitamins · Hormones

- Amino-acids · Pigments & Enzymes

Glycosides & Alkaloids

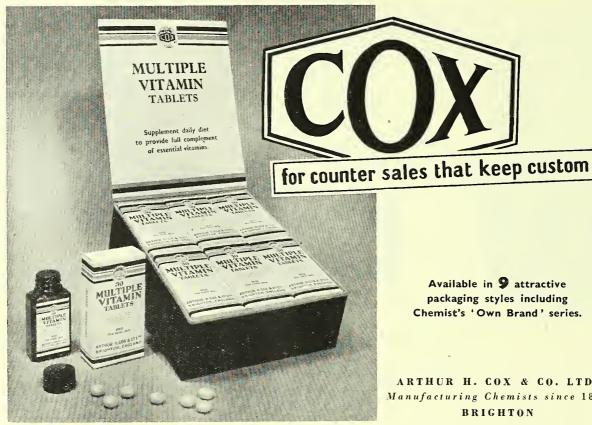
Biological products

UCLAF

SOLE AGENTS

ROUSSEL LABORATORIES LTD

847, Harrow Road • London N.W. 10 Telephone: LADBROKE 3608



Available in 9 attractive packaging styles including Chemist's 'Own Brand' series.

ARTHUR H. COX & CO. LTD. Manufacturing Chemists since 1839 BRIGHTON



Definitely last day for

HALEX

"Take your Choice" Toothbrush Offer

Whatever you do, don't miss the HALEX "Take your Choice" offer ending March 31st. It means *free* bonus brushes for you, without any restriction on size of order or pattern.

3 dozen ordered 3 FREE brushes
6 dozen ordered 12 FREE brushes
12 dozen ordered 36 FREE brushes



An order for 1 doz. each of No. 10, 250 and 260 brushes brings you this dispenser free, plus bonus brushes.



A colourful dispenser for 2 doz. 5-Star brushes—sent free with your order, plus bonus brushes.

ORDER THE BRUSHES
YOU CAN SELL MOST
EASILY!

HALEX

(a Division of the British Xylonite Co. Ltd.)
HIGHAMS PARK, E.4. LARKSWOOD 2345

For you a Golden Egg!

Every year about this time,
millions of hens are laying eggs in almost
embarrassing quantities. For you they can lay a golden one!
Eggs will rise in price again! So you can't afford to take
risks. Take stock now to meet the
increasing demand for Goodall's Waterglass.
It pays to stock, display and push Goodall's

Waterglass and to help you we offer this colourful Showcard free with every order.

Full strength 140° T.W. in leak-proof all-tin containers or composite drums

It's good business to sell . . .



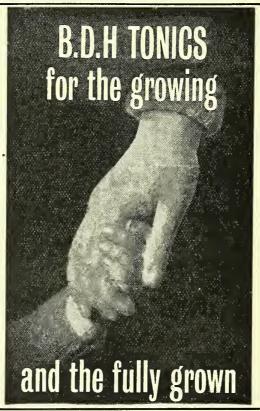
600DALL BACKHOUSE and CO. LTD. LEEDS, 1 Sole proprietors of the famous Yerkshire Relish

'FERBELAN'

the children's tonic that children like

Contains iron and members of the vitamin B group

BOTTLES OF TRADE RETAIL 4 fl. OZ. 2/- 3/40 fl. oz. 16/2



'LIVOGEN'

TRADE MARK

for adults who need a general tonic

Contains extract of liver B.P.C., extract of yeast, vitamin B₁ and nicotinic acid

BOTTLES OF TRADE RETAIL 5/16 fl. oz. 11/4 17/80 fl. oz. 54/10

FeLgn/T/551

all over

Go 'Poof' combines all

Like GO Stick, GO Pool

you're fresh!

This is the advertise ent that will launch go Poof!

in national

magazines

Go 'Poor' combines all
the absorbent, comforting
qualities of the very finest
talcum powder with the protection
of GO, the famous stick deodorant.
Like GO Stick GO 'Poor'

contains hexachlorophene (G11) to kill the cause of odour before it

to kill the cause of odour before it to can form, not just mask it. But Go can form, not just mask it. can be 'Poot' is so mild, so gentle, it can be Poof is so mild, so gentie, it can be applied all over the body to keep you (and applied all over the body to keep you (and your nylons and undies) fresh and fragrant from top to toe. Use GO 'Poor' before you dress or after your bath. The

you dress or after your bath. I handy plastic puffer - pack makes it easy to apply to any part of the body; to any part of the body; just go 'Poof' - and you're fresh!

Such a nice habit!

goes one better

SPECIALLY DESIGNED FOR INTIMATE PERSONAL HYGIENE



Now 24 hour freshness DEODORANT RODY POWDER in plastic squeeze bottle

The natural companion to "GO" Stick Deodorant, "GO-POOF", gives all the advantages of a fine quality tale and a fully effective deodorant,

> 24 HOUR FRESHNESS

ALL OVER

combined in the perfect package - a plastic squeeze bottle (puffer pack), quick, easy to use.

FOR YOUR COUNTER

each packed in attractive Individual display pack, telling the entire story and giving full directions.

TRADE TERMS

Wholesale per ozen 24/-Purchase Tax at 25% _ . 6/per dozen Retail: 3/6 each 42/-

Packed: 6 individual display packs in corrugated

> SPECIAL BONUS DISCOUNT

ON DIRECT ORDERS

For all orders received during March, April and May, an extra 7½° a discount will be granted to all retailers who give a 14 day counter or window display for "GO" Stick and "GO-POOF", and a direct order for a minimum of £2, 10, 0. The order to include not less than half dozen 'GO-POOF'.

POWDER

FRESHNESS LTD 38:46 ORSMAN ROAD LONDON N.I

BODY

3/6

Sole Distributors: DELAVELLE (G.B.) LTD
38-46 Orsman Road, Kingsland Road, London, N.I.

Proprietors: FRESHNESS LTD

Tampax

LIMITED

change address

Tampax Limited are pleased to tell all their friends in the Trade that a completely new factory has been built to meet the rapidly growing demand for the Company's products in Great Britain and over 100 export markets. On Friday, March 18th, the London offices at Eagle House, 109-110 Jermyn Street, S.W.1, are being transferred to:

BELVUE ROAD NORTHOLT, GREENFORD MIDDLESEX

TELEPHONE: WAXLOW 2244-7

All correspondence and orders after March 18th should be sent to this new address.

TAMPAX LIMITED

CERUMOL · DOLCIN · KYLON · TAMPAX HOLLYPAX · BENEFAX · G.F.4 · BEREX

MODERN **CHEMISTS** CHOOSE THE

INIVERSAL

FOR ACCURATE RECORDS



YOU CAN BUY IT

for



and £4 Monthly

COSTS SO LITTLE-SAVES SO MUCH

Ask for Demonstration or Write for Details:

UNIVERSAL CASH REGISTER CO. (1951) LTD.

HEAD OFFICE: 146/8, Mansfield Rd., Nottingham
Telephone: NOTtingham 44293

London Showrooms: 349, Euston Rd., London, N.W.I. Telephone: EUSton 7893/4 Branches throughout the United Kingdom



This really fast selling NATIONALLY ADVERTISED product shows 75% profit on cost. Is packed in most attractive polythene self spray bottles and carton.

Showcards, Window & Counter streamers, own name printed handouts, etc. and other advertising material free on request.

New "PRIDE OF LONDON" Lines

PRIDE COLOUR STREAK, for lovely Tints, Streaks, High Lights in brush capped bottles. Retails 3/9.

PRIDE SPRAYING BRILLIANTINE, an ultra light high gloss tonic brilliantine in self spray polythene bottle. Retails 3/9.

LONDON SNOW, EGG and LEMON cream nutritive shampoo. Small size in boxes, sufficient for 3 shampoos (in 3 dozen display outers). Retails 9d. In family sized jars. Retails 3/9.

From your usual wholesaler or direct

B. N. FURMAN (PRODUCTIONS) LTD. 133 FONTHILL ROAD, LONDON, N.4. Archway 1105

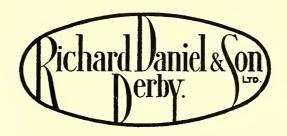
PENICILLIN

PREPARATIONS

- LOZENGES
- **TABLETS**
- OINTMENTS
- AIDS TO DISPENS-ING OUTFITS for CREAM and DROPS

Price List on application

MANUFACTURED BY-



MANSFIELD ROAD, DERBY

And at GROSVENOR ST., ASHTON-U-LYNE

Tel.: 48266 (4 lines)

Tel.: 2816 (3 lines)

errania

SUPERPAN FILMS

for speedy sales

ROLL FILMS. Superpanchro F20 2/11, F620 2/11, F27 2/7, F16 3/8, F616 3/8, F29

35 mm, FILMS. P.3 Fine Grain Pan, and S.2 Superpanchro cassettes, 36 exposures, 8/9. Refill, 36 exposures, 4/6. Refill, 3 x 36 exposures 12/1. Refill, 10 x 36 exposures, 36/11.

NEVILLE BROWN

77 NEWMAN STREET · LONDON · W.I Telephone : LANgham 7161 (10 lines)



... £3 15 0 IBIS 6 x 6 ... £4 18 6



ELIOFLEX ... £11 18 6

MOTHAKS

You, and we, know that the public should start buying MOTHAKS in March and not wait until they see the moths flying about......the damage may have started by then!

ANOTHER HALF PAGE

IN THE

RADIO TIMES

(Circulation 8,200,208)

... out on Friday, 18th March

These early "Radio Times" advertisements will create immediate sales and it will pay to have MOTHAKS on show now.

YOUR
CUSTOMERS
WANT . . .



THOMPSON & CAPPER

WHOLESALE LTD.

SPEKE, LIVERPOOL



NEWS OF THE WORLD * PEOPLE * REYNOLDS NEWS * SUNDAY DISPATCH *

SUNDAY EMPIRE NEWS * SUNDAY GRAPHIC * SUNDAY PICTORIAL * EVENING NEWS *

EVENING STANDARD * STAR * EVERYBODY'S * ILLUSTRATED * JOHN BULL * PICTURE POST

TIT-BITS * BIRMINGHAM EVENING DISPATCH * BRISTOL EVENING POST * YORKSHIRE EVENING

POST * YORKSHIRE EVENING NEWS * LIVERPOOL EVENING EXPRESS * MANCHESTER EVENING

CHRONICLE * MANCHESTER EVENING NEWS * NEWCASTLE EVENING CHRONICLE
SHEFFIELD STAR * SOUTH WALES ECHO * ED!NBURGH EVENING NEWS
GLASGOW EVENING CITIZEN * GLASGOW EVENING NEWS * GLASGOW EVENING
TIMES

And it just can't miss—because it features not only the finest and favourite of flasks, but because it makes a big point of the unique Thermos drip-proof polythene lip—now fitted to all flask models at no extra cost!

* There's going to be a big demand for THERMOS this Summer

- so be sure to get well stocked up in readiness!

with a total readership of 94-126-974

Make a smart display of THERMOS Brand Vacuum Flasks

Its "reminder" value will make many a sale. And remember to show the flasks with the cup off! Thenew unbreakable, easy-pour polythene lip is a unique Thermos feature well worth showing off.

THERMOS (1925) LIMITED - SEYMOUR ROAD - LEYTON - LONDON - E.10 Tel: LEYtonstone 4061



Each of these Lorexane Aerosols carries 43% profit on outlay

This one is all profit!

'Lorexane' Aerosols contain Gamma B.H.C., the most deadly insecticide available. 'Lorexane' is at once powerful yet safe, certain death to insect pests, yet harmless to humans and animals.



A *BONUS FOR EARLY STOCKING

12 for the price of 11

plus our usual generous discount, makes this a most valuable bonus offer. A dozen 6 oz. 'Lorexane' Aerosols, during the period of the Bonus Offer, would mean an outlay of 49/11½d. with a return of 78/- and a profit of 28/0½d.

or in other words,

PROFIT ON OUTLAY

* BONUS OFFER CLOSES APRIL 1st

SALES UP! PRICES DOWN!

These new prices will make 'Lorexane' Aerosols

more popular chair ever.				
TRADE PRICE PER DOZ.		RETAIL PRICE EACH		
44/-	4 oz.	5/3		
54/6	6 oz.	6/6		
88′/-	12 oz.*	10/6		
Order no	w for April/May d	elivery.		

* 6 x 12 oz. packs are available at the price of $5\frac{1}{2}$

PUBLIGITY SUPPORT Frequent advertisements will appear in the following national papers:—Country Life, Radio Times, Woman's Own, Homes and Gardens, House and Garden, Ideal Home and House Beautiful; also in Caterer and Hotel Keeper, Hotel Review.

LOREXANE

AEROSOL Insect spray

contains Gamma B.H.C



IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, FULSHAW HALL, WILMSLOW, MANCHESTER

A subsidiary company of Imperial Chemical Industries Ltd.

Ph.518

Here's something you should know about Toilet Paper

To meet the increasing public demand for softer rolls, two popular sellers — Samaritan and Bravo - have now had the sheetage increased and the texture of the paper improved. This gives extra comfort and greater absorbency, yet Samaritan and Bravo cost less than many very ordinary toilet rolls. Display improved Samaritan and Bravo today and cash in on a steadily growing market.



Tissue

Good Profits for you!

Trade 5/11 doz.

Bravo

Retail 6d.

Trade $4/5\frac{1}{2}$ doz.

Your Profit

1/6½ Doz. Rolls

Re-order now.

THROUGH YOUR USUAL WHOLESALER

ALL BRITISH PRODUCTS FROM ST. ANDREW MILLS, LONDON, E.17



A Long Sea Trip

used to be the treatment of choice for

chronic overwork, but an air-flight on a tight business schedule is the nearest equivalent that these gentlemen can ask for.

'Neuro Phosphates' ('ESKAY') is the ideal tonic for such

people. It is widely prescribed because experience has shown that it really does make them feel better.

Dosage: Adults: 2 teaspoonfuls in water 3 times daily, preferably before meals. Children: according to age.

Formula: Each adult dose contains Calcium glycerophosphate 130 mg. Sodium glycerophosphate 130 mg. Strychnine glycerophosphate I mg.

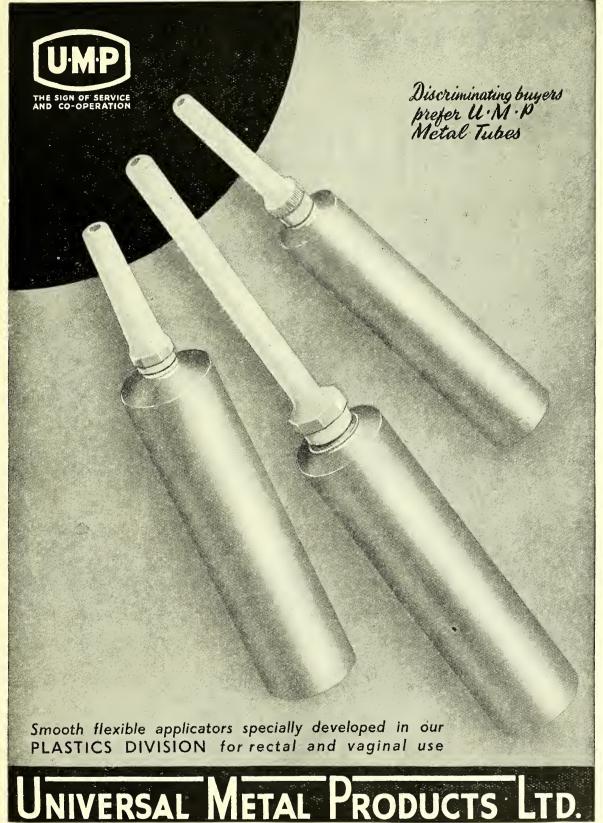
Issued in 8 fl. oz. (227 ml.) bottles

Trade Price Retail Price Purchase Tax 38/7 per dozen 9/8 per dozen 5/11 each

MENLEY & JAMES, LIMITED, COLDHARBOUR LANE, LONDON, S.E.5

Tel: BRIxton 7851

for Smith Kline & French International Co., owner of the trade marks 'Neuro Phosphates' and 'Eskay'



SALFORD 6 LANCS. Telephone: PENDLETON 4444 LONDON OFFICE: ARGYLE HOUSE, 29/31 EUSTON ROAD, N.W.I. Telephone: TERMINUS 2073

Over 100% return on Britain's quickest-selling toothbrush

Wisdom's 1955 Bonus Scheme

This year's Wisdom Bonus Scheme is both simple and profitable. There are only two points to remember:

- 1. On all nine Wisdom lines you get quantity terms on orders for 6 dozen, 1 gross, and 2 gross.
- 2. In addition, you get free Flextron brushes, as below, in respect to your total order for Flextron, Natural Bristle, and Mouthbrush (all of which sell at 2/3):

6-12 dozen ... 1 brush per dozen

12-18 dozen ... 2 brushes per dozen

Over 18 dozen ... 3 brushes per dozen

As you will see from the example on the right, this gives you up to 104% return on your investment.

There is no fixed parcel. We specify only the total quantities which qualify for either quantity terms or bonus. You make up the assortment any way you like.

Remember, too, that with Wisdom you have no risk of stock sticking. Already Wisdom outsells all other popular brands of toothbrush added together—each year its popularity increases. With the wide range of brushes available under this generous scheme it will pay you handsomely to specialize on Wisdom in 1955.

If you have not already received an order form, ask your wholesaler for one, or write to

ADDIS LIMITED, BRUSHWORKS, HERTFORD

A TYPICAL BONUS ORDER FOR 2 GROSS				
BRUSHES	QUANTITY	COST PRICE	SALE PRICE	MARGIN
FLEXTRON BRISTLE OR MOUTHBRUSH	20 doz.	£ s. d.	£ s. d.	£ s. d.
EXTRA	4 doz.	2 6 8	4 0 0	1 13 4
FLEXTRON (bonus)	5 doz.	FREE	6 15 0	6 15 0
TOTAL (including bonus)	_	18 10 0	37 15 0	19 5 0



Guerlain



Established PARIS - 1828

Announce that their

PERFUMES, TOILET PREPARATIONS
AND BEAUTY PRODUCTS

are being more widely advertised in this country than ever before



Make

your enquiries direct to:

Guerlain Ltd · Aintree Road · Perivale · Greenford · Middlesex

SUBLAMIN Lotion Specifically indicated in the treatment of TINEA PÆDIS and TINEA CRURIS SUBLAMIN is the ideal fungicidal lotion for the treatment of Tinea Pædis, Tinea Cruris, and other fungus infections of the smooth skin.

for fungus infections of the smooth skin

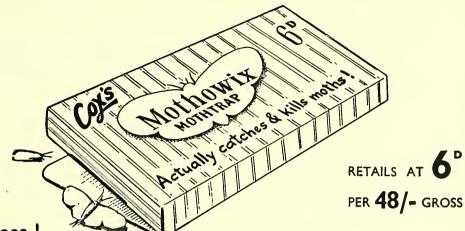
SUBLAMIN has the following advantages:

The excipient evaporates quickly, leaving the therapeutic substances, in finely particulate form, in intimate contact with the affected areas. In consequence, the maximum destructive effect on the invading fungus is rapidly achieved. Being non-greasy SUBLAMIN obviates the need for dressings and will not promote the growth of secondary infective organisms. Its application is extremely simple.

For full information please write to:

EDWARDS HARLENE LIMITED, 58 GOUGH STREET, LONDON, W.C.1

"MOTHOWIX" MOTHTRAP



- ★ Odourless!
- * Actually catches and kills moths!

order with



THE ORIGINAL

D.D.T. FLYCARDS

Cox's 3d.	D.D.T. FLYCARDS (THE ORIGINA	AL)		24/- PER	GRO\$S
Cox's 3d.	D.D.T. CHIMPS	•••		24/	**
Cox's 4d.	D.D.T. PARROTS	• • •	•••	32/	11
Cox's 4d.	D.D.T. ROSE BASKETS	•••		32/	11
Cox's 6d.	MOTHOWIX MOTHTRAPS	•••		48/	11
LESS 2½% MONTHLY ACCOUNT					

BONUS TERMS — 10°/0 ON ORDERS FOR 3 GROSS

THIS OFFER APPLIES TO ORDERS FOR FLYCARDS AND MOTHOWIX

IN ANY ASSORTMENT

JAMES COX & CO., D.D.T. WORKS, STH. HARROW, MIDDLESEX. Telephone: BYRON 4326

A New Hormone Preparation in Cosmesis

Some Hormones Stimulate the Skin

Most hormones appear to have more than one action on the body, and it frequently happens in hormone therapy that only one of these actions is required, the others being an embarrassment. This is particularly true of the æstrogenic hormones when they are used in the treatment of the skin. These hormones have a markedly stimulating effect on the growth of the epidermis and on the strengthening of the dermis, and so they are especially valuable to the skin of any woman whose own natural secretion of æstrogen is diminishing for any reason, including, of course, ageing which is progressive after the mid-twenties.

Some Hormones will Present Risks

The problem in such a case is to supply sufficient œstrogen to stimulate the skin and

yet to limit the dose so that unfortunate secondary effects do not also develop. This cannot easily be done as women vary so much in their sensitivity; and since no control can be exercised over a woman's self-medication there must always be potential danger in the general easy availability of æstrogenic preparations. Application direct to the skin does largely overcome the difficulty, but appreciable systemic absorption certainly takes place. The danger of this is twofold. First, excessive æstrogens can interfere with the behaviour of the ovary and may cause unnatural uterine bleeding; second, they can induce overactivity of the adrenal cortex so that, with an induced over-secretion of cortisone-like hormones, skin growth may actually be inhibited.

ORGANON LABORATORIES LTD.

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Modifications Remove the Risks and Retain the Benefits

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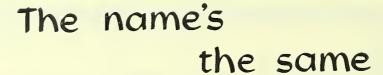
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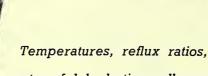
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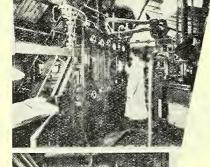
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Official organ of the Pharmaceutical Society of Ireland and the Pharmaceutical Society of Northern Ireland

Volume 163

March 19, 1955

No. 3917

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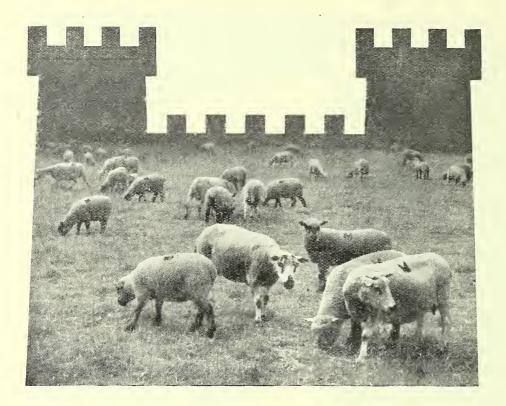
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Volume 163

MARCH 19, 1955

No. 3917

Contractors' Costs Inquiry

FINAL APPEAL FOR RETURN OF FORMS

• THE Pharmaceutical Whitley Council Committee A is making a final appeal to the chemist contractors who received questionnaires in connection with the joint inquiry (England and Wales) into National Health Service remuneration and costs to return them as quickly as possible.

The committee states that, of 1,100 questionnaires originally issued, only 515 usable returns have been received or are known definitely to be coming in by the end of March, and there is a serious danger that the total response will be insufficient to give any firm grounds on which negotiations can take place on the claim for increased fees now before the Whitley Council. Those approached to cooperate have not been identified to their colleagues; nevertheless in some areas at least their identity will be known as a result of local contacts. In any such cases the N.P.U. looks to local chemists to do all that they can to ensure that in their own town or district there is 100 per cent. response.

Chemists Federation

MEETING OF COUNCIL

A MEETING of the Chemists Federation council, the president (Mr. P. D. J. Spaanderman) in the chair, was held on March 3. Meetings of committees were held the previous day. The following members of counwere elected as chairmen of the various C.F. committees:—Messrs. R. C. Feather (finance and general purposes); A. Aldington (propaganda); G. E. Mann (standards). The following additions to schedules of the C.F. agreement were approved: Sharpe & Dohme, Ltd. (Penbenemid suspension); Thornton & Ross, Ltd. (Three Flasks corn paint). Reports were received of C.F. meetings that had been addressed by Mr. Norman Dewey at Epsom and by the secretary at Blackpool and Keswick. A report was also received upon the calls made by the outdoor representative on chemists in Bolton, and parts of the London area. Arrangements were made for him to spend ten weeks calling upon chemists in Scot-

Manx Health Service

REPORT OF INQUIRY COMMISSION

THE report of a commission appointed to inquire into the working of the health services in the Isle of Man recommends that the Health Services Board should include two persons representing doctors, dentists and chemists. No change is advised in the pat-

tern of the health service, but a maintenance charge of 3s. 6d. per day is recommended for patients in general hospitals staying longer than twenty-eight days, but not to patients in the tuberculosis sanatorium. The Commission also recommends that if a person is in hospital through an injury caused by the use of a motor vehicle in such a way that the patient recovers damages, the hospital may recover a reasonable sum for the cost of the services it has given. On the question of the doctors' remuneration, the Commission think that the doctors occupy a position which is in all respects comparable to the position of the doctors in England, and therefore consider that it is in the public interest that remuneration and conditions of service should be similar. But if the Manx Parliament considers that the terms should be arranged locally, then the body which conducts the negotia-

tions on behalf of the Government should not be the Health Services Board. The Board and the doctors ought to work in harmony, and it is undesirable that they should negotiate with each other on the question of remuneration.

Amending Election Scheme

GLASGOW PHARMACISTS TO DECIDE

A SPECIAL meeting of electors of the Glasgow Pharmaceutical Committee is being held in the Accountants Hall, 220 St. Vincent Street, Glasgow, at 7.30 p.m. on March 28, to consider the following amendment to the scheme for the constitution of Local Pharmaceutical Committees (Scotland):—

Paragraph 4: The election shall be by postal vote to be taken as soon as possible after February I, and in any case not later than April 1 in each year when an election is due to be held.

Paragraph 22: The members of the committee shall go out of office on March 31, 1956; thereafter members of the committee shall hold office for three years.

At the conclusion of the meeting the annual meeting of electors is taking place, at which the committee will present its annual report. Following those proceedings a meeting of contractors is taking place, when the committee will review the business that has been dealt with during 1954. It



CHICAGO DRUGGISIS ON VISIT TO BRITAIN: During a week's tour of Britain (see p. 322) a party of members of the Chicago Retail Druggists' Association spent a morning at the Greenford works of Glaxo Laboratories, Ltd., where the photograph here reproduced was taken.

is expected that Mr. J. D. Mair (chairman, Pharmaceutical Standing Committee (Scotland)) will give a report on the business carried through by the representative bodies in Edinburgh. The committee will also inform chemist contractors of what took place following the issue by the City of Glasgow Executive Council of the general circular dated October 1, 1954, since strong objection was taken to its terms (see C. & D., November 6, 1954, p. 466). It is hoped that as many contractors as possible will endeavour to attend to hear an explanation of several assertions contained in the circular that have since been conceded to be incorrect.

Pharmacists' Union

ANNUAL MEETING

AT the annual meeting of the Registered Pharmacists' Union held recently, Messrs. Abbott, Birss, Hives, Neale and Sheard were elected members of the council for 1955. Dr. D. J. Gibson was re-elected secretary. The meeting unanimously agreed that the Union should oppose any threatened "dilution of the qualification" and that to further that opposition branches of the Union should be set up and that the members should be asked to take office in the local branches. The treasurer reported that, although services to members had been on a larger scale than in any previous year, the Union had completed the year with a substantial credit balance. The Council welcomed the election of Mr. Birss, whose residence for many years in Scotland would enable him to represent Scottish views more fully.

Wine Licences

APPLICATIONS AT LOCAL SESSIONS

AT local licensing sessions recently, spirit off-licences were granted to Mr. Maurice Harman, M.P.S., 29 Highroad Well Lane, Halifax, Yorks, and Lloyd A. Royle & Co., Ltd., 350 Grimshaw Lane, Middleton, Lancs. Wine off-licences were granted to Mr. F. A. Bills, M.P.S., 29 High Street, Kinver, Stourbridge, Worcs; Mr. E. A. Manley, M.P.S., 348 Buxton Road, Stockport, Ches, and Mr. H. S. Officer, M.P.S. (for a shop being opened by Stockport Associated Chemists, Ltd., at 35 Wellington Road South, Stock-

port). Applications for licences were refused to the following:—Mr. W. F. Jewell, M.P.S., 225 Wennington Road, Southport, Lancs, Lumby's (Chemists), Ltd., Cambridge Arcade, Southport, and A. S. Price & Co., Ltd., 36 High Street, Netherton, Worcs.

Glucose Sales in 1951

CENSUS OF PRODUCTION REPORT

THE report on the 1951 Census of Production of the sugar and glucose trade shows that "larger" (that is, employing more than ten persons) establishments in Great Britain, all in England and Wales, sold 2,403,000 cwt. of glucose, to the value of £8,394,000, against 1,536,000 cwt. (£4,166,000) in 1948 and 2,069,000 cwt. in 1935. The 2,403,000 cwt. of solid, 2,104,000 cwt. of liquid and 120,000 cwt. of powdered glucose. Figures show that 68,000 cwt. of glucose was exported in 1951 against 36,000 cwt. in 1948 and 19,000 cwt. in 1935. The report is available from H.M. Stationery Office, price 1s. 6d.

New Research Building

I.C.I. HEADQUARTERS IN CHESHIRE

WORK has begun on the site at Alderley Park, Ches, of a new research establishment of Imperial Chemical Industries, Ltd. The first buildings will be laboratories and offices for the biological and chemical research departments of Imperial Chemical (Pharmaceuticals), Ltd., at present working at the headquarters of the I.C.I. Dyestuffs Division at Blackley, Manchester, and at Stamford Lodge, Morley. It is hoped that the new buildings will be completed in about two years. The farmland that is not being built on will be used for field trials with veterinary products developed in the laboratories.

Awards for Inventors

BRITISH INDUSTRIES FAIR COMPETITION

A FIRST prize of £200 and second and third prizes of £50 and £25 are being awarded for inventions selected by the judges from entries in a competition open to all inventors in Britain and the Commonwealth and run by the British Industries Fair TV Inventors' Club. The best twenty will be on show.

IRISH NEWS

Pharmacy Bill

AREA MEETING HEARS DUBLIN SPEAKERS A MEETING of chemists was held in Portlaoighise (Maryborough) on March 13, under the chairmanship of Mr. D. P. McHugh, Athy, to hear representatives of the Pharmaceutical Society of Ireland and the Irish Drug Association speak on the new Phar-macy Bill and kindred matters. Areas represented included Abbeyleix, Athy, Carlow, Ballytore, Mountrath, Portarlington, Edenderry, Rathdowney, Mountmellick, Monastrevan, and Maryborough. The president of the Society (Mr. M. Costello), Mr. P. F. McGrath (vice-president), and Mr. Brendan Smith (secretary, I.D.A.) were present. A full outline of the proposed legislation was given by Mr. COSTELLO, and Mr. McGrath addressed the meeting on the Health Act and Mr. dressed the meeting on the Health Act as it affected the chemist. On the motion of Mr. R. Rourke, Mountrath, the meeting agreed to give full support to the Society and the I.D.A. in all they were doing to protect the intcrests of the profession. MR. SMITH said that chemists in the future would said that chemists in the future would have to be so much in close touch with County Managers regarding Health Act matters, and it might be necessary for the I.D.A. to organise on a county basis. That did not mean that the larger provincial bodies would disappear. The initiative in such a scheme would be taken by the I.D.A.

Statutory Committee

NAME RESTORED TO REGISTER

THE Statutory Committee of the Pharmaceutical Society of Northern Ireland recently granted an application by James Patrick McFadden, 298 Merville Garden Village, Belfast, for the restoration of his name to the Society's register. Mr. McFadden's name was removed from the register on October 5, 1954 (see C. & D., October 16, 1954, p. 388). The restoration took effect from March 14.

Photographic Course

FOR DEALERS AND ASSISTANTS

UNDER the ægis of the Irish Branch of the Photographic Dealers' Association a photographic course for dealers



SALES CONFERENCE: Executive and sales staff of William Freeman & Co., Ltd., Subaseal Works, Peel Street, Barnsley, England, who were entertained to dinner by their chairman and managing director (Mr. W. S. Freeman) to mark the close of the company's annual sales conference recently, At left, seated, is Mr. Freeman. At his right is Mr. S. W. Fuller (general sales manager) and at his left Mr. J. H. Paterson (secretary) and Dr. R. H. Malone (head of the company's closure division).

and assistants is being held during March at the Dublin Vocational Schools, North Strand, Dublin. The lectures arc being given by Mr. Richard Deegan, A.R.P.S., and cover the entire course required by entrants for the intermediate examination of the P.D.A. It is now proposed to run a second series of lectures in April.

Roscommon Chemists COUNTY FEDERATION FORMED

AT a meeting of County Roscommon chemists held in Castlerea in connection with the proposed new Pharmacy Bill, it was decided to establish a Chemists' Federation for the county. The following officers were appointed: Chairman, Mr. F. McAnena, M.P.S.I., Ballaghadereen; Treasurer, Mr. W. Duffy, M.P.S.I., Castlerea; Secretary, Mr. G. M. Keogh, M.P.S.I., Killerney, Roscommon. Pharmacists in County Roscommon who wish to join the Federation should send their names to either Mr. Duffy or Mr. Keogh.

Smash and Grab Raid

VALUABLE CAMERAS STOLEN

A SMASH and grab raid at the pharmacy of Mr. J. A. Hurson, M.P.S.I.,
Talbot Street, Dublin, on February 16, was the second of such raids within a year. Cameras to the total value of about £400 were stolen. A burglar alarm had been installed in the window, but the thieves succeeded in extracting the cameras without touching the wires that set the alarm off. Mr. Hurson is the treasurer of the Irish Branch of the Photographic Dealers' Association.

Athletic Club SWEEPSTAKE ARRANGEMENTS

THE draw on the Grand National being held by the College of Pharmacy G. A. A. Club is taking place in Dublin on March 23. All cards, whether full or partially filled, should be returned on or before March 21 to Mr. Peter Leydon, 433 Griffith Avenue, Drumcondra, Dublin. The Committee earnestly appeals to all pharmacists with whom cards have been placed to do their utmost to have all spaces filled by that date.

NEWS IN BRIEF

ITEMS for inclusion in the agenda of the annual meeting of the National Association of Women Pharmacists should reach the secretary, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches, by March 26.

Two safes were blown by thieves who broke into the Sauchiehall Street branch of Boots, Ltd., in Glasgow, recently, but the haul was not a substantial one; thieves who broke into one of the company's branches in Peckham, London, S.E.15, stole £100.

AMONG the twenty-four British businessmen who recently visited Peking for trade talks with the China National Import and Export Corporation and other Chinese Corporations were representatives of Biddle Sawyer & Co., Ltd., Evans Medical Supplies, Ltd., and the Propane Co., Ltd.

TOPICAL REFLECTIONS

By Xrayser

Another Season

Unlike most other milestones in the passage of time, the issue of your annual photographic number does not give rise to the sombre thoughts which are the complement of, for example, New Year. This year, following a severe spell of winter, the photographic issue takes its place, along with the cuckoo and a young man's fancy, as a promise of a renewal of life and a return of the sun. That this year the emphasis should be on enlargers is an indication of two factors—first, the increasing popularity of the camera taking small pictures; and secondly, the growth in numbers of serious photographers. The progress made since Fox Talbot carried out his experiments at Lacock Abbey, that delectable spot in Wiltshire, has indeed been marvellous. That his urge to experiment arose with the realisation of his own lack of talent on canvas, as compared with that of his wife, is another indication that fame is not the only spur. His discovery, bringing to mankind the knowledge that it need no longer "scorn delights and live laborious days" in the field of art, has given pleasure to millions. A visit to Lacock should take the form of a pilgrimage for photographers, and there is a feast of subjects at hand, from the lovely cloisters to the Stable Court with its quaint clock-tower. Talbot was a brilliant scientist and mathematician, and a friend of Michael Faraday.

Modern Equipment

Many of us have seen changes in photographic equipment no less dramatic than the changes witnessed in medicine and medical practice. Without having quite attained to the sere and yellow, I can still recall, outside the chemist's shop of my youth, a frame containing negatives in process of being printed on "daylight" paper. Possibly like many more, my first steps in photography were taken through the medium of a small piece of sensitised paper and a negative of what purported to be a likeness of a famous footballer. No fixing agent was supplied, and one had to be content with a hurried glance at intervals until the picture faded, which it did with a rapidity that seems, in retrospect, to have been hardly more fleeting than that of the star himself. There followed the introduction, in pharmacy, of the box camera, the principles of which were readily understood, leading on to the more intricate folding model, with different speeds, apertures and focusing, and a variety of loading devices that were at once a problem and a challenge. Today, with the tremendous range of cameras, and the grades of film in monochrome and colour, we are in the midst of a science that demands all the physics we have ever learned. Perhaps one of the greatest difficulties is of realising how much faster the modern film is. An excursion with a camera and a modern exposure meter, with an implicit reliance on the latter's judgment, is an experience I can commend to all who profess to advise the amateur photographer.

Full Circle

The statement by a member of the British Trade Mission to the Middle East, to the effect that there should be an increasing demand in Egypt for pharmaceutical products (p. 275) is indicative of the historical fact that civilisations and empires are not permanent. Egypt was skilled in medicine and the sciences before we had ourselves emerged from the most primitive savagery. About 3000 B.C., in the reign of Zoser, Imhotep, the builder of the first pyramid, was priest, astronomer and physician. The temple of Imhotep at Memphis served both as a hospital and as a school of medicine. Squill and aloes were known to the ancient Egyptians, and they also used opium and hemlock. The connection of the priesthood with the sciences and medicine persisted for many centuries, and it seems incredible that such an advanced civilisation should ever have suffered eclipse. Now, five thousand years later, Egypt looks a good market for our pharmaceutical goods. In these perilous days one is tempted to hope that the changes that take place in the next 5,000 years will be no greater.

INTERNATIONAL PHARMACOPŒIA

Expert Committee's report on second volume and new edition

THE thirteenth report of the World Health Organisation's Expert Committee on the International Pharmacopæia was published recently. It shows that the following are some of the more important changes made in the proofs of volume II:—

The preface was amended to give more emphasis to the fact that the International Pharmacopæia is a recommendation and is not intended to be a legal pharmacopæia in any country unless adopted by the country's pharmacopæial authority.

Maximum storage time of aqua pro injectone under temporary conditions was reduced to three days.

The monograph on benzylpenicillinum kalicum was revised to make the reaction of its solutions more nearly neutral. The dose in the test for undue toxicity was doubled, and a temperature of not more than 25° was recommended for storage. The labelling section was modified to declare the amount of penicillin in the container.

It was agreed to change the title of calcii chloridum to calcii chloridum Crystallisatum.

The time limit for disintegration of tablets was extended from twenty to thirty minutes. The definition of the endpoint was amplified to permit slight pressure in determining whether softening had proceeded to the point at which no firm core remains. Exemptions extending the limit to sixty minutes were provided for compressi aethisteroni, calcii gluconatis, calcii lactatis, santonini, succinylsulphathiazoli, sulphaguanidini.

The synonym dextrosum was added to the monograph on glucosum. The upper limit for the content of C₃H₈O₃ in glycer-olum was deleted.

Oily injectable products prepared by aseptic technique were exempted from being labelled "for immediate use" if shown by test to be sterile.

It was confirmed that, while the assay on injectio adrenalini is not specific for laevo-adrenaline, the identification reaction distinguishes satisfactory preparations from those in which an excessive proportion has been racemised.

A test for pyrogens was added for injectio heparini.

The requirement that injectio levarterenoli should be labelled "for intramuscular use only" was deleted.

Vitamin A and ouabain will be deleted from the table of international biological standards.

Addendum

On the International Pharmacopæia, First Edition, Addendum:—

The Committee decided that an appendix should be drafted for the complexone method of assay for calcium which would replace the oxalate precipitation method now called for.

Approval was given to including, for approximately thirty drugs which are usually given by intramuscular or intravenous injection or applied topically to the eye, charts for calculating the quantities of solutes required for rendering solutions isotonic. The Committee adopted a specification for a standard dropper: a tube

drawn to a circular tip 3 mm, in external diameter so that at 20°C, it delivers 1 gm, of distilled water in 19.21 drops.

It was agreed to include in the Addendum a draft monograph on coated tablets.

Second Edition

For the second edition of the International Pharmacopæia the Committee discussed an outline of a "style book" that would help to bring new monographs into general conformity with style

conformity with style.

A working party had studied the applicability of the Karl Fischer method to the determination of water in crude drugs. Its report indicated that the method was not always applicable and advocated instead the use of a propellent distillation method, which had the added advantage of being easily adapted to determining essential oils in drugs. The Committee agreed to study the method.

A working group was set up to draft specifications for reagents required in the second edition. Reports are also being prepared on methods for purity tests; standard solutions for comparison; and (for an appendix) tests on arsenic, heavy metals, lead and iron,

A working group agreed to revise the appendix on identification tests for substances mentioned in the pharmacopæia, providing for review at least one simple and one highly specific test for each ion. It was agreed to add to the appendix a number of tests for functional organic groups (alcohols, aldehydes, ketones, etc.).

A working party is reporting on the possibility of including in each monograph a section indicating the pharmacological group to which the substance belongs.

It was agreed that specifications in monographs should ensure materials of a quality high enough for effective therapeutic activity, and that, in determining permitted limits of impurities, the usual dose and duration of treatment should be taken into account. Standards should not be set so high as to cause an unnecessary increased cost of treatment. For the second edition, an effort is being made, where several biological assay procedures are available, to recommend one method in preference to the others.

The report states that governments, physicians, pharmacists, pharmaco-pœia commissions or other authorities dealing with the naming of pharmaceutical preparations, and manufacturers' associations, are generally of the opinion that the programme on international non-proprietary names is beneficial and necessary. The Committee stresses the desirability of amending procedure so as not to prevent a name from being proposed for a substance when a particular name has been objected to. The Committee considers that the six months' period provided for submitting comments or objections to proposed names should not be extended after the first year of application of the new procedure.

National pharmacopæia commissions and members of the Expert Advisory Panel indicated that in most countries the use of names for barbituric acid derivatives based on the termination "-barbital" would have to be continued, but in some instances names ending in "-mal" might be adopted as synonyms. If new derivatives of barbituric acid should be introduced and given in the country of origin a non-proprietary name terminating in "-mal," the name would be considered for selection as a proposed international name. In general, synonyms would not be given in the lists of international non-proprietary names, but might be included in certain monographs of the International Pharmacopæia. The Committee recommended that proposed international non-proprietary names, when available, should be given on labels of emergency relief supplies of medicines.

It was suggested that the following

It was suggested that the following substances should be included initially in the proposed collection of authentic chemicals: Digitoxoside, vitamin-A acetate, ergometrine maleate, ouabain, and vitamin D₃.

Volume II

The report lists the following monographs for inclusion in Volume II of the International Pharmacopæia, first edition:—

Monographs: Acetylcholinii chloridum; acida aminoaceticum, folicum, lacticum, para-aminosalicylicum, and undecylenicum; adrenalini bitartras; aethanolum; aethanolum absolutum, dilutum; aethinyloestradiolum; aethylenediamini aethylis hydnocarpas; amod aguini hydrochloridum; antazolini hydrochloridum; aquae destillata, and pro injectione; aureomycini hydrochloridum; benzylpenicillinum kal'cum. hydrochloridum; and natricum; bismuthi et kalii tartras; bismuthi subnitras; calcii chloridum, and saccharas; chloramphenicolum; chlorobutanolum; chlorobutanolum; anolum hydratum; chlorocrezolum; chlorophenothanum technicum; cholinii chloridum; compressi; compressi acidi acetylsalicylici, acidi ascorbici, aethisteroni, amidopyrini, aminophyllini, amphe-tamini sulphatis, atropini sulphatis, barb'tali, barb'tali natrici, calcii gluconatis, calcii lactatis, carbacholi, carbarsoni, chiniofoni, chloroquini diphosphatis, codeini phosphatis, colchicini, dicoumarol, dicthylstilboestroli, digitalis, digoxini, ephedrini hydrochloridi, ergometrini maleatis, crgotamini tartratis, ferrosi sulphatis, glycery-lis trinitratis, hydrargyri subchlor.di, hydromorphoni hydrochloridi, lanatosidi menadioni, mepacrini hydrochloridi, natrii sal cylatis, neostigmini bromidi, nicotinamidi, oestradioli, pethidini hydrochloridi phenacetini, phenobarbitali, phenobarbitali natrici, proguanili hydrochloridi, quinidini subbatis ariinta alianta di natrici, proguanili hydrochloridi, quinidini sulphatis, quinini hydrochloridi, ribo-flavini, santonini, succinylsulphathiazoli, sulphadiazini, sulphaguanidini, sulphamerazini, sulpha-nilamidi, sulphathiazoli, and theobromini natrei et natrii acctatis; concssini hydrobromidum; cortisoni acetas; cyanocobalaminum; cyclopropanum; dichlorophenarsini hydrochloridum; digitoxosidihydrostreptomycinum; dimercaprolum; diphenhydramini hydrochloridum; gallamini tri-acthiodidum; glucosum; glycerolum; glycerolum dilutum; gonadotrophinum chorionicum; dotrophinum scr.cum; hexobarbitalum; hexobar-bitalum natricum; hydrocodoni bitartras; hydromorphoni hydrochloridum; injectiones; injectiones adrenalini, aminophyllini, apomorphini hydrochloridi, atropini sulphatis, benzylpen cillini, bismuthi subsalicylatis, calcii gluconatis, choli, caffeini et natrii, benzoatis, caffeini et natrii salicylatis, desoxycortoni acetatis, dicthylstilboestroli, digoxini, dihydrostreptomycini, dimercaproli, cmetini hydrochloridi, ergometrini maleatis, ergotamini tartratis, glucosi, heparini, histamini phosphatis, hydromorphoni hydrochloridi, hyoscini hydrobromidi, insulini, insulini zinci protaminati, lanatosidi C, levarterenoli, hobelini hydrochloridi, menadioni, mepacrini methanosulphonatis, mersalyli et theophyllini, morphini, natrii chloridi, natrii chloridi composita, natrii lactatis composita, neostigmini methylsulphatis, nikethamidi, nicotinamidi, œstradioli benzoatis, œstroni, papaverini hydrochloridi, pentetrazoli, pethidini hydrochloridi, phenobar-bitali natrici, physostigmini salicylatis, physostigmini sulphatis, pierotoxini, procaini benzylpenicillini aquosa, procaini hydrochloridi, progesteroni, riboflavini, stibii et kalii tartratis, stibii ct natrii tartratis, stibii et natrii, thioglycollatis, stibopheni, streptomycini hydrochloridi, streptomycini sulphatis, strychnini nitratis, zini natrici, sulphamerazini natrici, sulphathiazoli natrici, tetracaini hydrochloridi, thiopentali natrici cum natrii carbonate, tryparsamidi, tubocurarini chloridi; isoprenalini hydrochloridum; isoprenalini sulphas; kalii chloridum; levarterenoli bitartras; mepacrini methanosulphonas pro injectione; mepyramini maleas; methadoni hydrochloridum; metoponi hydrochloridum; natrii chloridum; natrii nitris; natrii para-aminosalipyrosulphis; oleum hydnocarpi; cylas; natrii oxophenarsini hydrochloridum; oxycodoni hydrochloridum; oxytetracyclini hydrochloridum; pentamidini dimethylsulphonas; phenobarbitalum natricum pro injectione; phenylhydrargyi boras; phenylhydrargyri nitras; podophylli resina; procaini benzylpenicillinum; procaini benzylpenicillinum pro injectione; profenamini hydrochlori-dum; promethazini hydrochloridum; propylthiouracilum; solutio natrii chloridi composita; solutio natrii chloridi isotonica; solutio natrii lactatis composita; streptomycini et calcii chloridum; streptomycini hydrochloridum and sulphas; tetracaini hydrochloridum pro injectione; thio-pentalum natricum cum natrii carbonate pro injectione; thyroidea; tincturae; tincturae aconiti, belladonnae, colchici, hyoscyami, ipecacuanhae. scillae, stramonii, strychni, trichloroaethylenum; trihexyphenydyli hydrochloridum; tripelennamini hydrochloridum; tryparsamidum pro injectione; tubocurarini chloridum; urethanum

Monographs in Addendum

The following list of monographs and appendices intended for inclusion in the International Pharmacopæia, first edition addendum, is given in the report:-

Standard dropper; acidum boricum, compressi digitoxosidi, hyoscini hydrobromidi, methyltes-tosteroni, and obducti; fluoresceinum natricum; injectiones ouabaini, procaini benzylpenicillinum cum benzylpenicillino, and testosteroni propionatis; isoniazidum; mephenesinum; methioninum; methylatropini nitras; natrii boras; primaquini diphosphas; procaini benzylpenicillinum cum diphosphas; procaini benzylpenicillinum cum benzylpenicillino pro injectione; suraminum natricum; zinci sulphas. APPENDICES: Buffer solutions and the determination of ph; isotonic solutions; tests for glass containers for injections; determination of calcium; titrations in acetic acid

The following suggestions are made for additions to and deletions from the first edition, proposed for the second edition of the International Pharmacopæia. They are the latest received up to July 3, 1954:-

ADDITIONS

Barbituric acid derivatives and other depressants of the central nervous system.

Allobarbitalum (and tablets); allylbarbituric acid (and tablets); amobarbitalum; aprobarbitalum (and tablets); bromisovalum (and tablets); butallylonalum (and tablets); butethal (and tablets); carbromalum; cyclobarbitalum (and tablets); hexobarbitalum natricum sterilisatum; mephenytoinum; mcthylphenobarbitalum (and tablets); pentobarbitalum natricum (and tablets); probarbitalum natricum (and tablets); secobarbitonum); trimethadionum; vinbarbitalum natricum (and capsules and injection).

Anæsthetics and local anæsthetics. Butethamine hydrochloride and adrenal injection; butethamini hydrochloridum; cinchohydrochloridum: helium: lidocainum: naepaini hydrochloridum (= Amylsine hydrochlorphenacaini hydrochloridum (holocaine hydrochloride).

Insect repellents and insecticides, Butopyronoxylum; dibutylis phthalas; dimethylis phthalas; cthohexadiolum; gamma benzeni hexachloridum.

Antibiotics.

Bacitracin; chloramphenicol (capsules and injection); erythromycinum; injectio aureomycini hydrochloridi; injectio oxytetracyclini hydro-chloridi; neomycini sulphas (and ointment and tablets); polymixini B sulphas; tetracyclinum;

Hormones.

Compressi aethinyloestradioli; compressi desoxycortoni acetatis (buccal); corticotrophinum; dienoestrolum; globin zinc insulin; hexocstrolum (and injection and tablets); hydrocortisone acetate suspension; hydrocortisoni acetas; injectio corticotrophini; injectio cortisoni acetatis; injectio gonadotrophini chorionici: injectio hydrocortisoni acetatis (oil); insulin, isophane (NPH) injection; methylandrostenediolum; testostcronum.

Enzymes. Cocarboxylasum: hyaluronidasum: pancreatinum; pepsinum; streptodornasum-streptokinasum.

Vitamins.

Injectio cyanocobalamini; phytomenadionum (vitamin K₁); pyridoxinum; vitamini A acetas.

Muscle relaxants.

Decamethonii iodidum; dimethyltubocurarini iodidum (and injection); injectio suxamethonii bromidum; suxamethonii bromidum.

Sulphonamides.

Phthalysulphathiazolum; sulphadimidinum: sulphafurazolum.

A long list of unclassified drugs suggested for addition is also given in the report.

DELETIONS

Aconitinum: cholinii chloridum cocainum: dicoumarolum; ferri et ammonii citras; hydrargyri iodidum rubrum; scillae bulbus.

A draft monograph on primaquini diphosphas has been approved by the Expert Committee; so have a draft appendix, on the preparation of isotonic solutions, and a draft appendix on the determination of pH.

Control of Drugs

A report on the control of pharmaceutical preparations, submitted by Professor L. Domange (director, National Laboratory for the Control of Medicaments, Paris), is given as an annex to the Expert Committee's report. Professor Domange states that the sale of a speciality drug within a country should be subject to the granting of a licence that is a guarantee of its quality. The licence should have a legal basis, but it should be made clear that the State does not thereby issue any formal guarantee of therapeutic efficacy and that the responsibility rests entirely with the manufacturer. Though the State may reserve the right to request proof of therapeutic efficacy from the manufacturer, it must demand a proof that the product is innocuous. If an accident should occur after the issue of a permit, it should be legally possible for the Government to immediately suspend the sale of the product. Once a pharmaceutical preparation is on the market there should be a legal body qualified to take samples of it and to analyse such samples and, if necessary, to institute legal proceedings. Such a body could be attached to the

Ministry of Health. All pharmaceutical preparations, whatever their origin—pharmacopeial products, speciality drugs, officinal preparations—must be subject to that type of control when they are placed on the market.

On the question of exchange be-

tween countries, Domange suggests that manufacturers or commercial agents may agree that the medicaments should conform to the standards as laid down in the pharmacopæia of the importing country, or of the exporting country, or as established in the International Pharmacopeia. Each importing country should have the right to ask that the "foreign" speciality shall be subject to the same regulations as its own national specialities. For example, two countries—considering their legislative provisions to be equivalent—might admit without formalities pharmaceutical preparations that had been given licences by both

If the importing country was not equipped with control laboratories the buyer might request the collaboration of an official laboratory. The question could be envisaged on a regional level. In the meantime buyers might request the collaboration of an official laboratory in the exporting country. If a speciality had been granted a licence within the exporting country, the buyer would be able to evaluate the quality of the product, and would admit products which the producing country allowed within its own terri-tory. The buyer could in such cases dispense with medical study and analysis. It might happen that an excellent product was not granted a licence in its country of origin, either because the disease for which it was intended was not prevalent in that country or because, among other provisions, the legislation did not permit the sale of two similar specialities. In such cases the importing country, if it had no control laboratory, would be obliged to apply to the official laboratory of the exporting country. A com-plete study having been carried out, the speciality might then be registered on a special list established by the administration of the importing country. The buyer would always be entitled to demand the analytical control of any lot selected at random in the presence of representatives of both parties. Such control would be carried out by an official laboratory. The sections that a laboratory for control of pharmaceutical preparations should include would be:-

Sera and vaccines; microbiology (for stcrility tests, testing of antibiotics and vitamins); phar-macology (for toxicity tests on animals and for assays on animals that cannot be carried out by other techniques such as chemistry, microbiology); botany (for the identification of medicinal plants and drugs of vegetable origin and for investigation of their falsification); mineral and organic analy-tical chemistry (for the isolation, identification and dosage of medicament components); physical chemistry (for the adoption of all analysis techniques utilising physical means).

No "Cheese-paring"

The installation and operation of such an organisation would entail considerable expenditure, but it would be the duty of governments to see that there was no cheese-paring in that connection.

COMPANY NEWS

Previous year's figures in parentheses

WILLOWS FRANCIS, LTD.—An interim dividend of $7\frac{1}{2}$ per cent. (5 per cent.) is proposed.

R. SUMNER & CO., LTD. — Dr. R. E. Overton has resigned from the board. Mr. J. F. O'Hara, who has been in the service of the company for over forty years and has been works manager for seventeen years, has been appointed a director.

JOHNSON & JOHNSON (GT. BRITAIN), LTD.—Mr. H. F. T. Wren



Mr. H. F. T. Wren

(managing director of Sauce Holdings, Ltd. (late Holbrooks, Ltd). and of A. D. Foulkes, Ltd., and several other companies) has been appointed sales director of the company.

F. W. HAMP-

F. W. HAMP-S H I R E & CO., LTD. — A final divi-

dend of 10 per cent. (same) making 16²/₃ per cent. for the year ended December 5, 1954 is proposed. Trading profit is £88,495 (£121,367) and taxation, £42,500 (£58,000).

FRANCO SIGNS, LTD.—A dividend of 10 per cent., less tax (same) for the year ended September 30, 1954, is recommended. The Hon. Gerald Lascelles has been appointed a director of the company. Net profit, before tax, £126,156 (£130,831); taxation, £51,463 (£61,778).

JEYES' SANITARY COMPOUNDS CO., LTD.—The company having contracted to acquire the Ibbetson group of companies, an issue of 600,000 ordinary shares of 5s, each is being made to the public at 12s. 6d, per share.—Consolidated trading profit for 1954 is £148,164 (£99,355). Net profit of parent company, £47,394 (£30,865).

HICKSON & WELCH (HOLD-INGS), LTD. — The offer by way of rights of 300,000 ordinary shares (see C. & D., February 19, p. 199) was accepted by sharcholders to the extent of 298,315 shares. The balance of shares has been sold through the London Stock Exchange for the benefit of the shareholders entitled to them.

New Companies

P.C. = Private Company; R.O. = Registered Office.

MADAME FONER, LTD. (P.C.).—Capital £1,500. To carry on the business of manufacturers and dealers in surgical belts, dressings, etc. Directors: Fanny Shepherd and Ruth F. Davidson. R.O.: 222 High Street, Swansea.

CALDER CHEMISTS LTD. (P.C.).

—Capital £1,000. To carry on the business of general chemists, etc. Directors: Carl A. L. Hibbs, M.P.S., and Derek Beevers, M.P.S. R.O.: 103 Wellington Road, Ashton-under-Lyne.

HEDON CHEMICALS, LTD. (P.C.).
—Capital £100. To carry on the business of manufacturers, importers and

exporters of chemicals, etc. Solicitors: W. Neil Holdgate, 21 St. James's Square, London, S.W.1.

C. R. HAW & CO., LTD. (P.C.).—Capital £2,000. To acquire the business of chemists carried on as C. R. Haw & Co., at 230 York Road, Leeds. Directors: Emmeline Haw, Harold L. Haw, M.P.S., and Charles R. Haw, M.P.S.

H. E. JACKSON, LTD. (P.C.).— Capital £500. To carry on the business of retailers of "patent" medicines, ointments and salves, etc. Directors: Hamilton E. Pritchett, 104 Warbreck Hill Road, Blackpool, and Marion Pritchett.

EGERTON - DOWLING, LTD. (P.C.).—Capital £1,000. To carry on the business of designers and manufacturers of and dealers in containers and packages and manufacturers of and retail dealers in soaps, cosmetics, etc. Subscribers: H. W. Fisher and M. S. Josephs. R.O.: 36 Southampton Strect, London, W.C.2.

IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. A. R. W. Low (Minister of State, Board of Trade) told SIR V. RAIKES in a written answer on March 8 that texts of the proposed amendments to the General Agreement on Tariffs and Trade would not be available until March 22, when they would be issued as a White Paper.

Fluoridation of Water Supplies

MR. IAIN MACLEOD (Minister of Health) told MR. S. P. VIANT, in a written answer on March 9, that the results of his pilot study of the fluoridation of water supplies showed that it was safe to add one part per million and that it was more practicable to decide the level of fluoridation in the light of dental surveys rather than by urinary examinations. Reference to all the relevant American work would be found in a recent publication of the American Association for the Advancement of Science called "Fluoridation as a Public Health Measure." It could be obtained in London.

Retailers and Purchase-tax Reductions

MR. H. BROOKE (Financial Secretary to the Treasury) told MR. H. R. Gower on March 10 that the Chancellor of the Exchequer was ready to examine any useful proposals for a solution of the problem of hardship to retailers when purchase tax was reduced. All the suggestions that he had received so far had contained some fatal weakness. An approximate solution might not only involve some loss of revenue, but might open the door to the malfeasance of unscrupulous persons. When recent reductions of purchase tax had been made, retailers had appeared to be so grateful that they had not complained to him of an absence of a solution to the problem.

Trade Courts

MR. W. T. WILLIAMS asked the Attorney-General on March 14 what action he proposed to take to restrain courts set up by trade associations from pretending to exercise lawful jurisdiction and enforcing illegal penalties. SIR HARRY HYLTON-FOSTER (Solicitor-General), replied that no action by the Attorney-General was necessary. The existing law provided adequate remedies for those affected if the tribunals act unlawfully. The courts, including the House of Lords, had recognised the legality of the tribunals on several occasions.

Pink Disease and Mercury Poisoning

MR. IAIN MACLEOD (Minister of Health) told DR. B. STROSS, in a written answer on March 14, that the degree of association between mercury poisoning and pink disease had not been clearly established. Many cases of pink disease had no demonstrable association with ingestion of mercury and the great majority of children who had been given mercurial preparations showed no sign of the disease. It seemed possible that some few infants might have an exceptional sensitivity to mercury. In 1952 and 1953, sixty-four children under five years old were certified as dying from pink disease and four from mercury poisoning; in two cases both pink disease and mercury poisoning were mentioned in the death certificate.

Vole Vaccine

MR. J. STUART (Secretary of State for Scotland) told MR. J. RANKIN on March 15 that Vole vaccine, like B.C.G. vaccine, was a protection against tuberculosis, not a form of treatment. So far as could be established by testing all those who were vaccinated, the effectiveness of the two vaccines was closely comparable.

Potash Deposits, North Yorkshire

MR. P. WELLS asked the President of the Board of Trade if he would consult the interests concerned, with a view to ensuring that the large potash deposits in North Yorkshire were not abandoned (see C. & D., March 12, p. 271). MR. H. STRAUSS (Parliamentary Secretary, Board of Trade), in a written reply on March 15: The interests mainly concerned with the commercial development of those deposits are already in touch with my Department.

British Standards Institution

MR. P. F. REMNANT asked the President of the Board of Trade what conditions were laid down for the protection of industry and the public when making a grant annually to the British Standards Institution. MR. H. STRAUSS (Parliamentary Secretary, Board of Trade), in a written reply on March 15 said that the Minister was confident that no action on his part was required to ensure that the British Standards Institution had full regard to the interests of industry and of the public. Only one-third of the Institution's funds came from public sources, and its accounts were open to inspection by the Comptroller and Auditor General.

DEATH OF SIR ALEXANDER FLEMING

His chance discovery gave birth to an industry

SIR Alexander Fleming, D.Sc., M.B., F.R.C.P., F.R.C.S., F.R.S., discoverer of penicillin, died suddenly at his home in London on March 11, aged seventy-three. He was born at Lochfield, nr. Darvel, Ayrshire. At the age of twenty he became a student at St.

of twenty he became a student at St. Mary's Hospital Medical School, London, winning the senior entrance scholarship in natural science. He won almost every class prize and scholarship during his student career. He qualified as a doctor in 1906,

doctor in 1906, and at the M.B., B.S. examination of London University in 1908 he was awarded a gold medal. In 1909 he became a Fellow of the Royal College of Surgeons. In 1906 he took up bacteriological research under Sir Almroth Wright at St. Mary's Hospital, where he remained throughout his life except for specialist service in the Royal Army Medical Corps in the 1914–18 war. At the end of that war he was appointed assistant to Sir Almroth Wright and lecturer in bacteriology in the medical school. Later he became director of the department of systematic bacteriology and assistant director of the inoculation department. For some years he acted as pathologist to the venereal disease department at the hospital and was also pathologist to the London Lock Hospital. In 1928 he was appointed Professor of Bacteriology in the University of London, a post tenable at St. Mary's, and though he retired with the title emeritus in 1948, continued at St. Mary's as head of the Wright-Fleming Institute of Microbiology until the end of 1954. Thereafter he continued medical research at the St. Mary's Hospital laboratories.

Fleming's first notable discovery, that of lysozyme, was made in 1922. He had for some time been interested in antiseptics and in naturally occurring antibacterial substances. In cul-

turing nasal secretion from a patient with an acute cold he found an element that had the power of dissolving bacteria. The substance, which he also found in tears and other body fluids, he isolated and named lysozyme.

he isolated and named lysozyme.

Penicillin was discovered in 1928 during researches on staphylococci. during researches on staphylococci. For examination purposes he had to remove the covers of his culture plates. A mould spore that drifted on to a plate revealed itself by developing into a colony. The bacterial colonies in the neighbourhood of the mould appeared to be folious over Eleming mode subto be fading away. Fleming made sub-cultures of the mould and investigated the properties of the antibacterial sub-stance. He found that, while the crude culture fluid in which the mould had grown was strongly antibacterial, it was non-toxic to animals and human beings. The crude penicillin was, however, unstable and too weak and crude for injection. Early attempts at con-centration were not very successful, and after a few tentative trials its clinical use was not pursued, though it continued to be used in Fleming's laboratory for differential culture. Not until 1938 did Sir Howard Florey and his colleagues at Oxford, notably Dr. E. B. Chain, reinvestigate the properties and preparation of penicillin.
They discovered important new facts They discovered important new facts about its chemotherapeutic action and published their results in 1940. The first clinical results, together with the method of extraction, were published in 1941 by Abraham and his coworkers. Fleming himself in his book *Penicillin* recorded how, in the pathological laboratory at Oxford University, a miniature factory was set up in which were produced small amounts in which were produced small amounts of concentrated penicillin. British manufacturers took up the manufacture of penicillin, their methods involving culturing of the mould in innumerable small containers (milk bottles were used by some). But the British pharmaceutical industry was at that time hard pressed by the exigencies of war, and Florey and Heatley went to the United States (then still at peace), laid all the information before the authorities there, and the outcome was large-scale production in America, in which new methods were elaborated.

After the establishment of penicillin as a life-saving drug Fleming was overwhelmed with honours. He was knighted in 1944 and in the following year shared the Nobel prize for medicine with Sir Howard Florey and Dr. Chain. He was William Julius Mickle Fellow of London University in 1942, and received an award of merit from the American Pharmaceutical Manufacturers' Association in 1943. He was elected F.R.S. in 1943 and F.R.C.P. in 1944. Other honours included the Moxon medal of the Royal College of Physicians (1945), the Charles Mickle Fellowship of Toronto University (1944), the John Scott medal of the City Guild of Philadelphia (1944), the Cameron prize of Edinburgh University (1945), the Albert Gold Medal of the Royal Society of Arts (1946), the honorary Gold Medal of the Royal College of Surgeons (1946), the Actonian Prize of the Royal Institution, and the honorary Freedom of the boroughs of Paddington, Darvel, and Chelsea. He had innumerable honorary degrees from British and foreign universities, and in 1951 was elected Rector of Edinburgh University.

Rector of Edinburgh University.

Fleming was president of the London Ayrshire Society and of the Pathological and Comparative Medicine Sections of the Royal Society of Medicine. Apart from the papers describing his great discoveries, he contributed to the Medical Research Council System of Bacteriology, to the official Medical History of the 1914–18 war, and to many other publications. He was a keen amateur painter, and he had many friends among artists.

A Message to Research Workers

Sir Alexander contributed to THE CHEMIST AND DRUGGIST on January 5, 1952, a New Year message on research, especially in commercial laboratories. In the course of it he urged that it would be a misfortune for the nation if industrial organisations were compelled to curtail their research establishments.

On June 29, 1954, he was presented by the Duke of Edinburgh at St. Mary's Hospital Medical School with a pair of silver George III sauce tureens to mark the twenty-fifth anniversary of the discovery of penicillin.



From penicillin, by-product of a mould, whose destructive effect on pathogenic bacteria was observed by Fleming, the important modern industry of antibiotics manufacture has developed, at first by surface-culture and later by deep-fermentation methods.

DEATHS

BAILEY.—On March 6, Mr. Daniel Jennings Bailey, M.P.S., 1 Knowsley Avenue, Blackpool, aged seventy-seven. Mr. Bailey was mayor of Blackpool, 1941–42. He was a former president of the Blackpool Pharmacists' Association and a former chairman of the Blackpool Insurance Committee and later a member of Blackpool Executive Council.

BARBER. — On February 27, Mr. Albert Edward Barber, M.P.S., 7 Hermon Terrace, Peverell, Plymouth, aged seventy-seven.

BEACH. — On February 20, Mr. Thomas Edgar Beach, 9 East Street, Bridport, Dorset, aged ninety-three. Mr. Beach qualified as a chemist and druggist in 1888.

CULBERT.—At his home, 172 North Road, Belfast, on March 11, Mr. Jacob John Carroll Culbert, L.P.S.I., M.P.S.N.I. Mr. Culbert qualified as a pharmaceutical chemist in Ireland in 1899, and was registered as a pharmaceutical chemist in Northern Ireland in 1926. He carried on busi-ness for many years in Connswater, Belfast, retiring from business some years ago. Before registering in Northern Ireland he was a member of the Council of the Pharmaceutical Society of Ireland, and on the formation of the Northern Ireland Society he was appointed a member of the original Council by the Ministry of Home Affairs. In 1925 he was president of the Ulster Retail Drug Association, and was one of the leaders in the negotiations concerning National Health Insurance in Northern Ireland. He was the first honorary secretary of the Ulster Chemists' Association after the amalgamation of the Ulster Retail Drug Association and the North Irish Pharmacists' Association in 1932. 1949 he attended a meeting of the Ulster Chemists' Association to witness the installation as president, of his daughter, Miss C. E. Culbert, who is proprietor of a pharmacy in Belfast, and now a member of the executive committee of the Association. In his earlier life he was president of the Belfast Chamber of Trade and a member of the Board of Guardians for Victoria Ward. For many years he was connected with Victoria Unionist Association. He was also a founda-tion member of the Galen Masonic Lodge.

DARNEY. — On February 27, Mr. William Ephraim Darney, M.P.S., 9 Epsom Road, Seven Kings, Ilford, Essex, aged eighty-two.

DIGBY.—On March 7, Mr. Harry Edward Digby, M.P.S., 43 Garthdale Road, Liverpool, 18, aged seventy. Mr. Digby had recently retired. He is survived by his widow and two daughters. One daughter, Mrs. Doris H. Evans, and her husband, Mr. C. Elvet Evans, are pharmacists.

DYSON.—On February 21, Mr. Jack Dyson, M.P.S., 51 Lavender Hill, Battersea, London, S.W.11, aged fifty-three.

EVANS. — On March 3, Mr. John Parry Evans, M.P.S., Havenhurst, Park Street, Berkhamsted, Herts, aged eighty-five, Mr. Evans qualified in 1892.

FAWTHROP. — On March 3, Mr. Lawrence Fawthrop, M.P.S., 28 Claremont Road, Surbiton, Surrey, and formerly 2 Westergate House, 30 Portsmouth Road, Kingston-on-Thames, Surrey. Mr. Fawthrop qualified in 1920.

FORRESTER.—At his home at Barnton, Edinburgh, recently, Mr. Thomas Harrow Forrester. Mr. Forrester qualified as a chemist and druggist in 1901. For many years he had a chemist's shop in Cupar, Fife. At one time he had also a shop in Ladybank, Fife. He retired in 1934 owing to ill health. He was a keen sportsman, playing golf, bowls, curling and billiards. He also took an active interest in the affairs of Raith Rovers football club.

HEDLEY.—On February 18, Mr. Osborne Janian Hedley, M.P.S., 62 Spring Road, Wrexham, Denbighs, and formerly c/o 6A The Cloisters, Windsor Castle, Berks, aged seventyone.

MACDONALD.—On December 18, 1954, Mr. David Baird Macdonald, M.P.S., Narborough Hall, Narborough, Leicester. Mr. Macdonald qualified in 1896.

MARTIN.—At 246 Oldham Road, Ashton-under-Lyne, on March 9, Mr. John Martin, aged seventy-six. Mr. Martin followed his father in the service of Thomas Kerfoot & Co., Ltd., spending the whole of his working life with the company, first in the office and then as a representative in the Yorkshire area. Mr. Martin retired in 1947.

MORRELL. — In hospital in Wimbledon, London, on March 2, after a road accident, Mr. William Morrell, M.P.S., 20 Sheen Gate Gardens, East Sheen, London, S.W.14, aged seventy. Mr. Morrell established a business at Kew Green, Surrey, in 1910. Subsequently he entered into partnership with Mr. W. Spencer Howells, M.P.S., and for many years had been conducting a number of businesses with him in Richmond, Surrey. In November 1954 he completed forty years' service on the local Pharmaceutical Committee. He was chairman of the committee in 1935 and 1946. In 1946 he was appointed to the Surrey Insurance Committee.

OWEN.—On March 7, Mr. Robert John Owen, M.P.S., 119 High Road, Llanllyfni, Penygroes, Caernarvons. Mr. Owen qualified in 1905.

STAMP. — On January 3, Mr. George Harry Stamp, M.P.S., 14 Victoria Road, Netherfield, Notts, aged eighty-one.

PERSONALITIES

MR. ERIC RICHARD BROWN, F.P.S., has passed the examination for the Fellowship of the Royal Institute of Chemistry.

MR. E. N. RIGG, M.P.S., Wisbech, gave a talk on "Pharmacy through the Ages" to the Wisbech Business and Professional Women's Club recently.

MR. S. J. HOPKINS, F.P.S. (chief pharmacist, Addenbrooke's Hospital,

Cambridge) is the author of a survey on the principles and practice of the sterilisation of surgical dressings, published in the March issue of *The Hospital*.

MR. G. B. WRIGHT, M.P.S., Carr Croft, Parish Ghyll Road, Ilkley, who was in business in Hebden Bridge, Yorkshire, as a chemist for more than fifty years, celebrated his eighty-fifth birthday on March 1. He is a Pastmaster of the Prince Frederick Lodge of Freemasons, Hebden Bridge.

BUSINESS CHANGES

THE London offices of Tampax, Ltd., were transferred to the company's new factory at Belvue Road, Northolt, Greenford, Middlesex, on March 18.

Appointments

GOYA, LTD., Badminton Court, Amersham, Bucks, have appointed Mr. G. J. Cripps their representative in Glasgow and the West of Scotland.

TOKALON, LTD., 450 Basingstoke Road, Reading, Berks, have appointed Mr. G. Field, 74 Brierley Road, Hasbury, Halesowen, Worcs, their representative in the Midlands.

EVAN WILLIAMS CO., LTD., Aintree Road, Perivale, Middlesex, have appointed Mr. R. M. Smallwood, 68 Devonshire Road, Princes Park, Liverpool, 8, their sales representative in Liverpool, North-west Lancashire, North Wales and the Potteries.

CIBA LABORATORIES, LTD., Horsham, Sussex, have made the following representative appointments: North London, Mr. A. W. Arscott, M.P.S.; Manchester and N.W. Cheshire, Mr. D. Longworth, F.P.S.; Derbyshire and Leicestershire, Mr. G. S. Brown, M.P.S.; South Wales, Mr. N. W. Stapleton, M.P.S. Mr. A. H. Briggs, F.P.S., has joined the internal sales staff.

LEGAL REPORTS

DANGEROUS DRUGS ACT

Unauthorised Possession Charges

Ar Liverpool, on March 3, Samuel Ibekunli Taylor, 24 Mulgrave Street, Liverpool, was sentenced to two months' imprisonment for being in unauthorised possession of Indian hemp.

—On March 7, Mervyn Alpin, 137 Upper Canning Street, Liverpool, was remanded on bail on a charge of being in unauthorised possession of Indian hemp.

MERCHANDISE AND PHARMACY ACTS

Label Ingredients Not Present

An ointment claimed to be made "only from the finest slippery elm, comfrey and marshmallow," was found by an analyst to contain no extract of those ingredients. That was stated by the prosecution at Bolton on March 10 when Albert Gough, herbalist, Kay Street, Bolton, pleaded guilty to selling, contrary to the Merchandise Marks Act, a medicinal preparation to which a false description was applied and, contrary to the Pharmacy and Medicines Act, a preparation not bearing a proper designation of substance or ingredients. Gough was fined £3 and £2 respectively on the summonses, and ordered to pay £2 2s. advocate's fee.

DANGER SYMBOLS FOR CHEMICALS

Adoption by International Labour Organisation

THE chemical industries committee of the International Labour Organisation at its fourth session at Geneva recently adopted five symbols suggested by the International Labour Office for labelling dangcrous substances. The symbols warn against the dangers of explosion, ignition, poisoning, corrosion and radiations. With two exceptions they are as illustrated in the C. & D., February 28, 1953, p. 205. The warning against poisoning risks now include crossbones with the skull, and from that against ignition the burning matchstick is replaced by a flame without match. The committee has asked the I.L.O. governing body to draw the attention of governments and international organisations to the need to recognise and adopt the symbols without delay and to use them in world trade.

The committee had been considering a report from the International Labour Office which stated that the symbol for inflammable substances had been re-



designed because the matchstick denoted only one of several possible causes of fire in handling substances in that class. The crossbones were added to the skull to give a danger symbol already recognised almost universally. A number of suggestions had been received for the redesign of the withered hand symbol for corrosive substances but none was acceptable to The report notes that a United Nations Committee of Experts on the Transport of Dangerous Goods met in September 1954 and had recognised the five main categories of hazard as listed by the I.L.O. That committee had found the I.L.O. symbol for explosive substances generally acceptable but identical with an established trade mark. It had therefore to be modified slightly. A symbol of acid spilling from a carboy and attacking a metal had been selected to indicate corrosives. The I.L.O., in its report, asks the chemical industries committee to continue its search for a more representative symbol for corrosive substances.

The report states that, once a decision has been taken on the danger symbols, it may be useful to prepare for each class of dangerous substance a list of the chief precautions to be taken in handling, storage, transport and use. In preparing that information it suggests that useful guidance will be obtained from work done by the Association of British Chemical Manufac-turers and by the Manufacturing Chemists' Association in the United States. The aim would be a uniform international labelling system. The I.L.O. report concludes that the United Nations Committee had concerned itself with the preparation of complete labels, and not with basic symbols, and that its proposals might well form the basis for the elaboration of international regulations concerning the classification and labelling of dangerous substances. The report contains, in the form of an appendix, a list of dangerous goods other than explosives pre-pared by the I.L.O. and incorporating also a similar list prepared by the United Nations Expert Committee.

ECONOMIES IN DRUGS AND DRESSINGS

Ministry offers advice to hospitals

THE Ministry of Health has written to hospital boards of governors and management committees on the need for economising in drugs and dressings, and asking for early action on those suggestions that it puts forward, where action has not already been taken.

action has not already been taken.

The letter suggests that every committee and board should prepare its own list of the thirty or so most expensive drugs, and that the medical committees of the hospitals concerned should be invited to examine their prescribing of those items to see whether economies can be made without prejudice to treatment. It suggests that the medical staff should be acquainted with the relative costs of antibiotics so that where a choice is possible they may know which is the more economical. "For example," the letter states, "treatment with penicillin intramuscularly for three days at the rate of 1,000,000 units daily costs about 4s. 6d. Treatment with auroomycin or oxytetra-

cycline costs about six times as much and with erythromycin slightly less than ten times as much when those antibiotics are given in a daily dose of 1.5 gm. Treatment with 2 gm. chloramphenicol daily costs about five times as much as with penicillin. The daily doses of antibiotics may vary for several reasons, however, and the relations between their costs are therefore liable to corresponding variation." The letter also says that investigation of expenditure on vitamins may well prove profitable. "There is little doubt that in many cases the consumption of vitamins could be reduced by limiting their routine administration."

Drawing attention to the unnecessary expense that may be caused by careless or unsuitable storage of drugs, the letter suggests that where the pharmacist undertakes the duties of inspection of stocks containing poisons it would clearly be advantageous if he also inspected all stocks of drugs held in

wards. It is suggested that the medical and pharmaceutical staffs in hospitals or hospital groups should devise means whereby excessive prescribing may be prevented and economies made. "The chief pharmacist is able to supply the medical staffs with information on the costs of the drugs and dressings. He can also provide details of the relative costs to his hospital of proprietary and comparable non-proprietary drugs and preparations. He is also responsible for preventing waste due to improper storage. His advice will be found valuable over the whole field of economy in prescribing."

So far as proprietary preparations are concerned it is essential that hospital medical staff should be at liberty to prescribe whatever they consider necessary to meet the special needs of an individual patient, but nevertheless they should be invited not to prescribe a proprietary preparation which is more expensive than the corresponding standard preparation, states the letter. Medical and pharmaceutical staffs should prepare for distribution to staff prescribers a leaflet on economies.

A further suggestion is that some hospitals should set up a standing drugs and dressings committee on which the medical, pharmaceutical and nursing staff would be represented, to ensure that up-to-date information and advice is readily available on the best use of drugs and dressings, and their proper storage and handling.

TWO FOUNDATIONS

Danish guests to be entertained

A DINNER is being given at Apothecaries' Hall, London, on April 4 by the Wellcome Foundation to members of the Carlsberg Foundation and management of the Carlsberg Breweries, Copenhagen, Denmark. The two institutions are for all practical purposes identical in their constitution and aims, and unique in the realm of commercial organisation. Both were created with the object of using for philanthropic purposes the whole of the profits from a continuing industrial concern.

The Carlsberg Foundation is the senior. It came into being in the 1880's following the founding of the Carlsberg Breweries by the late J. C. Jacobsen and their extension by his son. Those two men conceived the plan of leaving the ownership of their breweries to an independent foundation consisting of five eminent Danish citizens appointed by the Royal Danish Academy of Arts and Sciences. It is their responsibility to organise and apply for scientific research and the promotion of the arts for the benefit of the Danish nation, the money they receive from ownership of the breweries.

The Carlsberg Foundation may have provided the inspiration and the model for the creation of the Wellcome Trustees. The similarity between the two Foundations has led them of recent years to make contacts to discuss matters common to their experience and interests. It is to cement the friendly relations between them that the dinner is being held.

S'r Henry Dale (chairman of the Wellcome Trustees) is presiding.

TRADE NOTES

Improved Toilet Rolls.—St. Andrew Mills, London, E.17, have increased the sheetage and improved the paper texture of their Samaritan and Bravo toilet rolls.

Ranges Extended.—Upjohn of England, Ltd., 4 Aldford Street, Park Lane, London, W.1, announce the introduction of a fifty-tablet pack of Pamine methscopolamine bromide and of a 4-oz. pack of Paminal elixir.

Reserpine Alkaloid.—Riker Laboratories, Ltd., Morley Street, Loughborough, Leics, have bulk supplies available of reserpine alkaloid of British manufacture and of a high standard of purity.

Sole Licensees.—Sole licensees and distributors of Polyestol transparent pain-relieving bandage are now the newly formed company, Oldham Laboratories, Ltd., 30 South Street, Chichester, Sussex. The design of the package is being changed and a display carton holding twelve containers is available.

Free Sample.—To demonstrate the advantages of Gill's dandruff-remover shampoo, Beautisales, Ltd., 35 Old Bond Street, London, W.1, offer to send chemists a generous sample with descriptive literature on receipt of a trade card. The company's agents in Eire are Mur-Ra, Ltd., 132 St. Stephen's Green, Dublin.

Tenders Invited.—The Export Services Branch of the Board of Trade, Lacon House, Theobald's Road, London, W.C.1, has been notified that the chairman of the Union Tender and Supplies Board, Pretoria, South Africa, invites tenders for x-ray apparatus and fluoroscope screens and for hypodermic syringes. Details may be obtained on forms TEN/12941-42.

Awards to Advertisers.—Winners of annual awards, 1955, made to advertising agents and advertisers by C. & E. Layton, Ltd., Farringdon Street, London, E.C.4, "to promote and encourage the growth of improved Press advertising techniques" include J. Walter Thompson Co., Ltd. (for Horlick's malted milk); Young & Rubicam, Ltd. (for Nulon hand cream); and Foote, Cone & Belding, Ltd. (for Kleenex tissues and Knight's Castile soap). An exhibition of the 800 entries is being held at 45 Park Lane, London, W.1, on April 4, 5, and 6.

Credits for Stocks Held.—The new fermentation plant of Pfizer, Ltd., at Sandwich, Kent (C. & D., October 30, 1954, p. 443) is now in full production of Terramycin and other antibiotics. In consequence Terramycin prices were substantially reduced on March 14. Claims for credit from retail pharmacists on stocks held at the close of business on March 12 should be sent direct to the company, quoting the name of wholesaler through whom credit is to be issued and the batch numbers of the Terramycin preparations involved. They should be submitted to reach the company not later than first post on March 26.

Reformulated. — The Crookes Laboratories, Ltd., Park Royal, London, N.W.10, announce that their

speciality Ferrovet has been reformulated and is now issued as a purified iron carbohydrate complex in aqueous solution for intramuscular injection. Each mil provides 50 mgm. of elemental iron. The solution is dark brown in colour, virtually non-toxic and stable; it replaces the former white insoluble suspension. The pack is a 30-mil vial.

Export Opportunities.—Opportunities to British exporters notified by the Export Services Branch, Board of Trade, Lacon House, Theobalds Road, London, W.C.I, include:—

Toilet preparations and drugs for the newly established Canadian Maple Leaf Services, an organisation serving the needs of the Canadian Brigade in West Germany (COM/10270)

West Germany (COM/10270).
Toilet articles and fancy goods for a trading organisation in Al Khobar, Saudi Arabia (COM/10279).

Further details are given on circulars bearing the numbers quoted and obtainable from the address given above.

Index of Surface-coating Resins.—A comprehensive index of British surface-coating resins has been compiled and is now available. The booklet, prepared jointly by the surface-coating resin section of the British Plastics Federation and the Surface Coating

Synthetic Resin Manufacturers Association, gives in fourteen tables the basic information on all the Britishmade surface-coating resins at present available to the paint, printing-ink and allied trades, It is available from the British Plastics Federation, 47 Piccadilly, London, W.I., or the Surface Coating Synthetic Resin Manufacturers Association, 79 High Holborn, London, W.C.1, price 3s. (post free).

Bonus Offers

FASSETT & JOHNSON, LTD., 86 Clerkenwell Road, London, E.C.1: Extra 10 per cent. on all Prestoband orders of 50s. value (or more) until April 30.

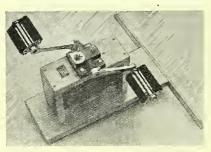
New Hygiene, Ltd., 266 Holloway Road, London, N.7: Introductory offer of 30 per cent. and $7\frac{1}{2}$ per cent. on orders for one doz. Swish plus two doz. refills; one doz. Scentinel No. 3 "mike" container plus two doz. refills; and two doz. Scentinel No. 4 "rosebuds."

SOUTHON LABORATORIES, LTD., 88 Upper Richmond Road, London, S.W.15: Thirteen to doz. Esoban cream of calamine plus special seasonal extra discounts of 5 per cent. on £5 and 10 per cent. on £10 direct orders in return for counter and window displays.

NEW PRODUCTS AND PACKS

New Lipstick Shade.—" Mad about Pink" is the title of a new lipstick shade introduced by Innoxa (England) Ltd., 1 Eden Street, London, N.W.1.

Portable Exercising Unit.—For paralytic, arthritic or general orthopædic patients requiring cycling exercises for legs or arms there is now available a portable exercising unit, the Exercycle. Manufactured by L. F. Alexander, Ltd.,



155 East Barnet Road, New Barnet, Herts, the Exercycle is fully covered by patents. It may be used on the floor for leg or on the table for arm exercises. The apparatus has standard 5½-in. cranks and graduated braking mechanism (for varied pressure). A more expensive model is equipped with speedometer registering speed and miles. Hardwood foot trays for keeping the fect on the pedals are available as an extra accessory. Stockists' discount is 25 per cent.

Deodorant Body Powder.—Delavelle (G.B.) Ltd., 38 Orsman Road, London, N.1, are the sole distributors of a new deodorant body powder, Go Poof, in plastic squeeze bottle, manufactured by Freshness, Ltd. Go Poof is described as the natural companion to Go stick

deodorant. It combines the advantages of a fine-quality talcum with those of a deodorant. Six individual display packs are issued in a corrugated outer.

Flexible, Translucent Beaker.—The latest model of the Teacher beaker for babies, to teach them to drink correctly, is translucent, unbreakable, flexible and hygienic. It is designed to pour at the right speed and correct angle for drinking. A covered-over top retains heat and a protective ring makes it easy to hold and practically spill-proof. The beaker is manufactured by J. L. Caplin, Ltd., 178 Homerton High Street, London, E.9.

Peptic Ulcer Relief. — Aminon Laboratorics, 18 Hill Rise, Richmond, Surrey, are introducing to the medical profession a new preparation Rutanin No. 20 of which they are the sole distributors in Great Britain, Northern Ireland and Eire. Rutanin 20 is intended for the treatment of peptic ulceration, hypochlorhydria, etc. It is available in tubes of thirty tablets and in cartons of 100 and 450 tablets. Literature and samples are available upon request.

New Toothpaste. — An entirely new toothpaste, Gleem, is being marketed by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne. Its cleansing ingredient, GL70, is a blend of anionic sulphates that is claimed to kill up to 90 per cent. of all bacteria in the mouth at one brushing. The toothpaste has a gentle but efficient polishing action. The colour is white and the flavour spearmint-peppermint. At present the product is the subject of strictly local advertising campaigns in Huddersfield, Leicester and Southampton.

PACKAGING NOTES

A Novel Ampoule Pack.-All ampoule preparations for both home and overseas markets issued by

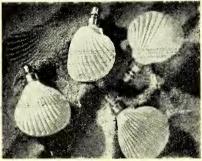
The distributors are Industrial Appliances, Ltd., 21 Grosvenor Street, London, W.1.



Ampoule container produced by the packaging development department of Glaxo Laboratories, Ltd., to safeguard the ampoules against breakages.

Laboratories, Ltd., Greenford, Middlesex, are now being packed in a new type of container designed to prevent breakages. Moulded in grey, flexible plastic, the new container consists of a deep-sided tray with a sliding lid, and the inside of the tray has special mouldings that grip the ampoules firmly in position. In consequence, the ampoules are unlikely to break in transit (they cannot be jolted about) or on opening (they cannot fall out if the opening (they cannot fall out if the box is accidentally inverted). The pack is 20 per cent. smaller than the former Glaxo ampoule box and may be used repeatedly, being easily kept clean by wiping. The container was clean by wiping. The container was designed in the company's packaging development department.

Oval Polythene Bottles.—Three new oval-shaped containers, as illustrated, have been added to the Poly-tainer Novelty Bottle in Polythene. — The sea-shell atomiser illustrated (registered design 876186) is a replica of a



natural shell found on an Italian beach. Manufactured by Fibrenyle, Ltd., 157 Dukes Road, Western Avenue, London, W.3, in pink, blue

or lemon, it has been taken up exclusively by the Gardner Co. (London), Ltd., 172 Clapham Park Road, Lon-don, S.W.4, for their new pocket atomiser.

Wadless Tablet Tube.—A polythene closure from which protrude three prongs enables the glass tube illustra-ted to hold its quota of tablets free



from jarring or shock and thus eliminates the need for a cotton-wool plug and the labour costs of inserting it. The makers are Anchor Glass Co., Ltd., Brent Cross Works, North Circular Road, London, N.W.2.

Cellophane Sheeting Machine. — A machine newly developed by British Cellophane, Ltd., 12 Conduit Street, London, W.1, enables Cellophane film sheets to be cut from the roll at speed and in a wide range of sizes for hand wrapping purposes. The machine comprises a wide-based steel framework with two vertical risers. A horizontal shaft near the base carries the roll of film. The method is cheaper area for area than cut-to-size sheets.

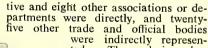
Hand-painted Stoneware.—A variety of hand-painted stoneware.—A variety of hand-painted stoneware novelty packs—the Hartrox series—is offered by Hartley's (Castleford), Ltd., Phillips Pottery, Castleford, Yorks.

WINCHESTER BOTTLE DESIGN

The British Standards Specification

THE Glass Manufacturers' Federation, 19 Portland Place, London, W.1, sug-

gest that the British Standard 80-oz. and 90-oz. winchester bottles (B.S. 830: 1953), illustrated alongside, has all the merits claimed for the "Boots" pattern winchester illustrated recently in these columns (C. & D., February 5, p. 139), including drawn-in foot, conical shoulders and shortened neck, with the added ad-vantage of being freely obtainable as a standard container. The standard was adopted by the British Standards Institution on the recommendation of its Packaging Standards and Glass Industry Standards Committees. On those committees the Association of British Chemical Manu-facturers, Association of British Pharmaceutical Industry, Glass Manufac-turers' Federation, Board of Trade, Railway Execu-



partments were directly, and twentyfive other trade and official bodies
were indirectly represented. The design has
therefore a wide acceptance, though it would
appear from the list given in the Standard that all of the participant organisations represented interests concerned with manufacturing and handling winchesters, without the inclusion of users who have to pour from them in their daily work. Set beside the "Boots" winchester the Standard bottle is seen to be a shade taller, with an even shorter neck but a rather less conical shoulder. It is understood that supplies of winchesters made according to the British standards specification are now readily available in both the 80-oz. and the 90-oz. sizes.



range of bottles manufactured by E. Shipton and Co., Ltd., Northwood, Middlesex. They are in three sizes: 1-oz., 4-oz. and 8-oz., and are available from stock moulds in any colour.



LOCAL DINNERS AND DANCES

READING

Educational Progress

READING Branch of the Pharmaceutical Society, whose secretary (Mr. H. Williams) also represents the Branch on the Technical College Committee, had the satisfaction of hearing from the mayor on March 2 that daytime classes in chemistry, physics and biology at ordinary and advanced levels are being established in Reading next session. The mayor was responding to the toast "The Mayor and Corpora-tion" at the annual dinner and dance of the Branch, at which 270 members and guests were present, and the Branch chairman (Mr. E. E. Locker) presided. Mr. Locker, not a native of Reading, said that in fifteen years he had become rooted in the town and was proud to be one of its citizens. Co-operation between doctors and pharmacists was as good in Reading as everywhere in the country, and pharmacists had a member of their Society on the town council. In his reply the mayor acknowledged a "generous number" of technical college prizes provided by the Branch.

War-time Friendships Recalled

"The Pharmaceutical Society" was proposed by Professor H. D Kay, C.B.E., Ph.D., D.Sc., F.R.S. (director of the National Institute for Research in Dairying), who said that physicians and medical men were descended from the same ancestry, though he was a chemist and doctor, but not a phar-macist and medical man. "I know a little of your Society, as for some time during the war we at the National Institute housed members of the labora-tory staff of your Society." Professor Kay concluded: "I think we must all ask ourselves what of the future? There will be further tremendous advances in pharmacy and developments of all kinds. I can also safely predict that your Society will not be lacking in adjusting itself to the professional requirements of those developments. The future of the Society is in its own hands, and is therefore as secure as anything can be in these amazing times in which we live." In his response, Mr. E. A. Brocklehurst (president of the Pharmaceutical Society) said the Society was grateful to the National Institute for Dairying and to Professor Kay for accommodating its laboratory staff during the war. He passed

to Professor Kay the greetings of Dr. Dyer. At the present time, he said, the Council's Education Committee was dealing with the question of the training and qualification

A T R E A D I N G BRANCH DINNER: Mr. E, E, Locker (chairman) and Mrs. Locker with Mr. E, A. Bro-klehurst (president of the Pharmaceutical Society) and Brocklehurst.

pharmacists. Its report would be issued later in the year. In May the Society was holding a reception in celebration of its new constitution. He acknowledged the help of the Branch to the charitable work of the Society. One great need of the present time was a home for retired pharmacists. A project was under consideration and would be made known soon, when the same generous help would be solicited as for the other charities of the Society. Referring to the Reading branch officers he said: "It is because your officers are so excellent that your branch is such a good one." Dancing followed until 1 a.m. Among the many guests were the mayor of Wallingford (Councillor J. O. Johnstone), who was formerly in business as a chemist, and Mrs. Johnstone.

HASTINGS

Two Council Members Present

A SPECIAL toast to the chef was deservedly added to the prearranged toast list at the annual dinner and dance of the Hastings and District Branch of the Pharmaceutical Society held in Bexhill on March 9. His Caneton d'Aylesbury Rôti à l'Orange and other selections were a gastronomic treat. The Branch chairman (MR. C. H. Roberts) presided and proposed "The Pharmaceutical Society." In face of pharmacists' difficulties, he said, members should sink any personal differ-In face of ences and work together to solve the problems of the profession.

The response to the toast was given by Miss M. A. Burr (a member of the Society's Council) who said she was pleased to come a second time and brought the greetings of the president and Council. Topics that would come to the fore in the near future were: One, a suggested home for old pharmacists, which the Council wished to be considered as a branch matter, since it would have to be supported financially by the branches themselves; two, the annual and Branch Representatives' meetings; and three, Charter celebrations in May at which the Duke of Edinburgh would be present and receive his horrary Fellowship of the Society. Pharmacy, said Miss Burr, was on an upward trend at a time in history of great unrest and uncertainty. It was the duty of the present membership to make its contribution to the advancement of the profession. MR. G. H. GOODWIN eloquently proposed "The Visitors and Ladies," separating the toast so that the male visitors could join in the toast to the ladies. Mr. A. H. CARTER (vice-chairman of the Eastbourne Branch of the Society) responded. The toastmaster was Mr. F. Pelham (Branch treasurer), who was also in charge of a raffle that realised a substantial sum for the Benevolent Fund. Dancing followed until 1 a.m. The event was well supported by neighbouring branches and was attended by Mr. D. W. Hudson (a member of Council) with Mrs. Hudson and Mr. Plowright (assistant secretary of the Pharmaceutical Society) and Mrs. Plowright.

SOUTH-EAST LONDON

Bad Weather Reduces Attendance

Among about forty people who, be-cause of thick snow and icy roads, were unable to attend the annual dinwere unable to attend the annual din-ner and dance of the South-east Lon-don Chemists' Association held re-cently, was Mr. Herbert Morrison, M.P. More than one hundred guests were present despite the weather, in-cluding the guest of honour, Mr. H. Steinman (vice-president of the Phar-Steinman (vice-president of the Pharmaceutical Society). Replying to the toast of the Society proposed by MR. D. Cameron (president of the Association), Mr. STEINMAN said that he was very pleased that so many resident chemists in the London area had agreed to give an "out of hours" dispensing service for urgent prescriptions. The toast to the ladies and visitors was proposed by Mr. R. W. Crombie (vice-president of the Association), and Mr. Clifford EVANS (chairman, London County Pharmaceutical Association) responded.

HALIFAX

Council Member as Guest

CHIEF guest at the annual dinner of the Halifax Branch of the Pharmaceutical Society on February 10 was Miss M. A. Burr (a member of the Society's Council). Miss M. A. Fielding (first woman president of the Branch) was in the chair, and among the guests were representatives from the Brad-ford, Huddersfield, Leeds and Dewsbury Branches of the Society.

More than 200 Guests

OVER 230 members and friends attended a dinner and dance held by the Dundee and Eastern Scottish Branch of the Pharmaceutical Society recently. The guests were welcomed by Mr. M. S. Maconochie (chairman of the Branch) and the votes of thanks were proposed by Mr. Welsh (W. B. Cartwright, Ltd.).

Supper-dance for Benevolent Fund

ABOUT 200 people were present at a supper-dance held by the Hull Chemists' Association on February 3, in aid of the Pharmaceutical Society's of the Pharmaceutical Society's Benevolent Fund. Among those present were Messrs. E. A. Brocklehurst (president of the Society), G. W. Hind (president of the Association), A. Brown and J. Dack (vice-presidents).





Mr. Derie C. Evans (president of the Association) and Mrs. Evans receive the guests.

AS usual or perhaps even more than usual the annual dinner and dance of the West Ham and District Association of Pharmacists, held on March 3, proved one of the happiest events of the London season. An early start enabled the 288 guests to hear six speeches and still have ample time for dancing and cabaret, while a raffle for the Pharmaceutical Society's Benevolent Fund found so many takers that the organisers had to scout round for more books of tickets. The results were a sum of £32 5s. handed over to the Benevolent Fund and numerous lucky recipients of prizes donated by eight trade wholesalers and manufacturers, all of whom received acknow-

ledgment on the menu card.
DR. L. COMYNS, J.P. (chairman of the West Ham Executive Council), proposed the toast of the Pharmaceutical Society. His earliest recollection of the pharmaceutical profession, he said, was of gazing in fascination at the twin carboys that were "the hallmark of chemists in those days." Today he regarded pharmacists' main function as being the dispensing of prescriptions, and in 1954, 210 million had passed over chemists' counters. Chemists could do much to maintain the doctor-patient relationship, and he was amazed how rightly they interpreted the thoughts and intentions of prescribers "in spite of what was written." In the West Ham area only three drug tests in 1954 had resulted in inquiries.
MR. J. F. McNeal (a member of
Council of the Pharmaceutical Society)
responded. He thanked the proposer

for his tribute to pharmacists, complimented the Branch on its veteran member, Mr. J. Read, and thanked members for their help to the So-ciety's Benevolent Fund.

"The Association" was proposed by Dr. H. Davis (chief pharmacist, Ministry of Health), whose address, as rich in epigram and anecdote as it was void of controversy, renewed his reputation as an after-dinner speaker, Press criticisms, he said — to give but one sample — had made him realise how "uneasy is the head that serves the Crown." In his response to the toast, MR. DERIC C. EVANS (president of the Association), while claiming amateur status as a speaker, showed almost equal aplomb. He paid graceful tribute to his Association secretary (Mr. W. H. Cloud), and pledged a silent toast to absent friends, especially to two who would certainly have been

"The Ladies" was proposed by Dr. C. E. Fenton (chairman, Stratford Division, British Medical Association). The response by Miss Joan Cloud (vice-president of the Association) demonstrated that the Association has ensured the succession to its highest office of another confident and engag-

ing speaker.



of the Association).



Mr. Joseph Read, as young as ever, and Miss



Mr. and Mrs. S. N. Cowan.



Mr. and Mrs. L. J. Smith.



Visitors from the Western (London) Pharmacists' Association: Mrs. and Mr. P. J. White; Mrs. and Mr. D. R. Evans, Miss A. J. P. McBride and Mr. Scriven Turner.

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No Place Like an Old Folks' Home

THE Council of the Pharmaceutical Society—usually, in its relations with branches, so insistent on its own responsibilities—has made a curious abdication of its privileges in referring to the Society's members at large the question whether a retirement home should be set up for elderly pharmacists. To put things colloquially and brutally, it has passed the buck, and our guess is that discussion and the whole philanthropic project will gradually peter out.

For consider. The Council's letter sent to branch secretaries asks for (a) information on the "likely need" of a home—presumably, that is, the number of retired pharmacists, etc., in the branch area who are eligible (i.e., have reached sixty-five years of age, and are lonely, fit, and have a good expectation of continuing in health); and (b) the extent to which the branch would be willing to contribute to the capital and maintenance costs.

The lonelier the elderly pharmacist, the more obviously would he be a likely inmate for a home, but the less likely to be or have been active in branch affairs and so personally known to its secretary. We are aware that the branch secretary is provided with a list of names (but not ages) of members of the Society resident in his area, and it may be his practice to notify them all of branch meetings. But it would indicate either a very small branch or an unusually active secretary if members who never go to branch meetings were more than names to him (and 10 per cent. is reckoned an average attendance). In order, therefore, properly to meet the Council's request the secretary must visit them all. Suppose he makes the visit, and finds the member eligible on age grounds. He has still to present the proposition, ascertain the state of the member's health, and find out whether he wants to go into the home. The member may say yes, or he may say no, or he may ask for time to consider. If the first, he has then to be told that at present the home is only a dream. If he says no. it by no means follows that he would give the same answer when it became possible to put the question concretely and in writing from the Society's headquarters instead of hypothetically and verbally by a local colleague. If he gives no answer nobody is any more forward and there is no information to pass back to headquarters.

The Society's secretariat, knowing members' ages, or at least their dates of qualification, could have obtained precisely the same invitation direct and saved the conscientious local secretary many wasted calls. Any information a less than conscientious local secretary may send on is of doubtful value anyway, apart from differences due to over-optimism or congenital pessimism.

The other question to the branch secretary (what are members willing to contribute?) is almost equally futile. The member who, at a branch meeting, makes large promises is not always the most likely person to keep them; and his neighbour who says nothing may still be good for a donation. Perhaps, knowing his colleagues, a secretary here and there may make his own estimate (and probably a very shrewd one). Will he not rather shrug his shoulders, wonder whether the Council thinks he is clairvoyant, and ignore the whole thing?

So, short of an overwhelming popular clamour for the home, and that is in the highest degree improbable, the result of the reference to branches will be to leave the Council in precisely the same necessity to make its own decision as it was at the start.

There is, of course, considerable reason why the decision is difficult. The cost is high, and the number of beneficiaries relatively small. To make provision for infirmity as distinct from mere age would, it is estimated, about double the cost, and "existing charitable funds of the Society must not suffer." So only the healthy aged are to be catered for. But a person of sixty-five who enters sound in wind and limb does not necessarily remain so until his dying day, and what happens then? Is he expelled as soon as he becomes unwell?

The device of referring the matter to branches suggests either that the Council is looking for a convenient excuse for shelving the whole question, or that it lacks the assurance in its decisions which an elected executive body should have. If the latter, then the indecision that has overtaken it is one that infects all Councils whose discussions are held in the secrecy of committee. Members who do not have to justify votes and policies to constituents are sheltered from criticism but do not gain the confidence that comes when actions are approved.

The National Pharmaceutical Union, which had set aside a substantial sum for the home as a memorial to the late Mr. G. A. Mallinson, may soon have to consider other ways of using the money.

A Contract Scheme Matures

AMONG the classified advertisements in this week's issue of THE CHEMIST AND DRUGGIST is one inviting tenders for drugs for the South-west Metropolitan Hospital Region. A similar advertisement in May 1954 signalised the launching of a scheme on which much care and thought had been brought to bear by the pharmaceutical advisory committee of that Board, and to which a good deal of publicity was subsequently attracted. A year ago the scheme may fairly be described as having been tentative and experimental. It was an endeavour to implement recommendations contained in the official memorandum HMC (50) 7, from which the following extract is quoted:—

The professional responsibility of the pharmacist to his Management Committee or Board of Governors for the proper organisation and conduct of his pharmaceutical department necessarily includes that of ensuring that pharmaceutical supplies are correct and of satisfactory quality. Any centralised supply arrangements must not be such as to prevent the discharge of this responsibility; and it follows accordingly that in obtaining such supplies the Committee or Board should be guided by pharmaceutical

advice. Where the Board or Committee manages a group of units it is clearly desirable in the interests of efficiency and economy that the requirements of the individual units should be co-ordinated at the group level. This may be effected by consultation between a pharmacist of the group and the supplies officer, or through a small pharmaceutical committee representing the pharmacists of the group acting in association with the supplies officer.

During the months that have elapsed since the scheme was launched it has grown considerably and may be said to have reached maturity. The number of hospital groups participating in the regional scheme has grown from thirty-five (thirty-one Hospital Management Committees and four Boards of Governors of teaching hospitals) to forty-one, the increase being made up of seven management committees and one board of governors. Even more remarkable has been the increase in number of items for which tenders have been invited. Regarded in three main classifications of general drugs and chemicals, injections, and capsules and tablets, they now number sixty-two, thirty-seven and seventy-four respectively, against eleven, twenty and forty-three last year, or in total, 173 against seventyfour. The figures speak eloquently of the success that has rightly rewarded the enthusiasm of the pharmacists who initiated the scheme. In effect they have taken up a recommendation at group level and raised it to

regional level, with results that can hardly fail to be beneficial to the operation of the National Health Service as a whole.

The fact, also, that the scheme was presented as a report adopted both by the pharmaceutical advisory committee and by the regional supplies officers' committee, and that contracts should, on the basis of their recommendations, be placed by the supplies officers of the hospitals concerned, suggests that the results have been achieved with the goodwill and co-operation of the supplies officers, who, by the way, had two direct representatives on the pharmaceutical advisory committee.

It seems to us that the approach and methods of the South-west Metropolitan hospital pharmacists have proved so apt that they are worth the study and emulation of other regions. Moreover, the arrangements appear to correspond closely, in form and scope, with recommendations made in the Linstead report. Where the professional aspects of obtaining hospital drug supplies are dealt with by pharmacists and administrative aspects by supplies officers, each group is making a worthy contribution to a result that is greater and more advantageous to the hospital service than if either was solely responsible, and infinitely preferable to any circumstances in which they might be at loggerheads with one another.

CORRESPONDENCE

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

DRUG TESTS

SIR,—While one admires the care given to the survey of the drug-testing scheme, one is seriously perturbed at the break-up of the errors into such small percentage differences. I hold no brief for the chemist who is careless or inaccurate, but I would suggest that errors of at least 10 per cent. can easily occur through no fault of the dispenser. A plus or minus 10 per cent. margin is of no therapeutic significance, and it seems unfair that the chemist should be pilloried for such errors. As secretary of the local Pharmaceutical Committee, I have been present at many of the referred cases, and know that the distress and worry caused to the defendants is considerable. With two exceptions the cases were trivial, and, in my opinion, should not have been brought. The average pharmacist is an honest, sensitive man, who should not be subjected to such "Star Chamber" treatment over these minor matters.

f. d. p. lewis-smith, *Secretary*, hereford herefordshire pharmaceutical committee

THE FORMULARY AS "BEST SELLER"?

SIR,—As a result of the publication in last Sunday's Observer of an article entitled "Saving Shillings at the Chemist's," inquiries for B.P. and B.P.C. preparations have increased, and there has been a temporary falling-off in the demand for analogous proprietary preparations. The avowed object of the article was to show how shoppers can gct full value for the money they spend at the chemist's; and the contributor bases her information on lists A and B in the section of the National Formulary, 1955 headed "Proprietary Preparations." Incidentally, is it not surprising that the N.H.S. Formulary may be obtained "through any book-seller" by anyone with 5s, to spare? If it became generally known among patients that they can find out what the doctor is ordering for them, might not the Formulary quickly rise into the class of "best sellers"? In the article Boots, Ltd., are handed a bouquet for low prices; and the cost of five branded lines in common use in the home is compared with the cost of similar B.P. or B.P.C. preparations, with the result that a saving of about 50 pcr cent. is indicated. That is a strong inducement for customers to seek cheaper substitutes for proprietaries; but when they dis-

cover that the viscosity of medicinal paraffin, and the solubility of aspirin and compound codeine tablets—to say nothing of their prices—varies noticeably from chemist to chemist, they will begin to wonder whether the branded line has not, after all, some points in its favour. The writer of the article is concerned mainly with helping the shopper to buy as cheaply as possible without detriment to quality, and she claims that lists A and B have "medical warranty." At the same time, in fairness to manufacturers of pharmaceutical products she gives two reasons—the incidence of purchase tax and the necessity for spending money on research—for their higher prices. The interest aroused by publication of what may be termed "inside information" will certainly bring a new crop of problems and brainteasers to the chemist's serving counter.

DISPENSING OF EQUIVALENTS

SIR,—In answer to Dr. Barnett Stross, who asked the Minister of Health in the House of Commons if he would authorise dispensing chemists to dispense an exact equivalent of a drug irrespective of the name on the prescription, Miss P. Hornsby-Smith said that the Minister would not feel justified in authorising chemists to dispense preparations other than those prescribed. In reaching that conclusion, the Minister had in mind, amongst other things, the code of ethics of the Pharmaceutical Society. I am unable to reconcile that pronouncement with an instruction contained in the Drug Tariff, which says that, where rectified spirit is prescribed for external use, industrial spirit shall be dispensed, unless the prescriber clearly indicates that no alternative shall be used. The difference in practice appears to be that, in the case of spirit, direction is given that a different substance—not an equivalent—shall be dispensed. In principle the Minister has, in reference to spirit, apparently felt quite justified in authorising chemists to dispense a preparation other than that prescribed. Wherein lies the difference? Like Rosa Dartle, I only want to know.

PUZZLED

APPRECIATION

THE C. & D. articles continue to improve.—J. P. K. C.

Three hundred years ago on March 22 died Sir Theodore TURQUET DE MAYERNE

Royal physician and chemical experimenter

IR Theodore Turquet de Mayerne, who died on March 22, 1655, was influential in obtaining for the Apothecaries the charter granted to them in 1617, and in the publication of the first Pharmacopæia Londinensis in The son of Louis Turquet de Mayerne, a celebrated historian whose family originated in Italy, he was born at Geneva on September 28, 1573, and after four years at Heidelberg studied medicine at Montpellier, where he

obtained his M.D. degree in 1597.

Following the example of his teacher, Lazarus Riverius, he went to Paris, where he taught anatomy to the surgeons, and pharmacy to the apothecaries. His ability was recognised in 1600 by his appointment as district physician of Paris and as physician to Henry IV of France. Mayerne's success annoyed the Paris doctors, who resented the intrusion of a graduate from Montpellier, and considered his use of mercury and antimony contrary to the Galenic principles on which their practice was founded. In 1603 the College of Physicians of Paris ordered that no physician should consult or have dealings with Mayerne. He ceased

to lecture, but his fame as a physician increased.

Mayerne first visited England in 1606 at the invitation of a nobleman who had been taken ill in Paris and whom he had treated successfully. During his visit he received the honorary degree of M.D. from Oxford University, and the King appointed him physician to Anne of Denmark. He returned to France, but in 1611 was summoned to England to become chief physician to James I and to the royal family. In England the medical profession acknowledged his worth, and he encountered none of the jealousy experienced in Paris. James I admired his candour and integrity, and recognised his thoroughness in the performance of his duties. His royal patient must have given Mayerne some trouble, for he writes: "The King laughs at medicine and declares physicians to be of very little use and hardly necessary." Nevertheless, James I (who had "the strongest antipathy to water and all watery drinks") conferred a knighthood on him and stated in the Charter of the Society of Apothecaries in 1617 that he had been moved to grant incorporation "by the entreaties of our beloved and faithful physicians, Theodore de Mayerne and Henry Atkins. His many eminent friends included the painter Rubens.

Mayerne's wide interests also extended to distilling. Distilling had of course its medical side, for certain spirits were used in medical prescriptions, but Mayerne's concern was by no means confined to that aspect. He was the chief

founder of the Company of Distillers of London. One of the most hopeful features of English medicine during the early seventeenth century was the attention paid to bedside diagnosis by Thomas Sydenham (the English Hippocrates) and by Mayerne, his friend, who was one of the best compilers of case-records in the history of medicine. He wrote copious notes on his patients, showing great powers of observation and close attention to the smallest detail affecting their constitutions, habits, illnesses, and idiosyncrasies. Fortunately for students of medical history a great number of Mayerne's manuscripts are now in the British Museum. They were written in Latin, but Sir Norman Moore translated and quoted from some of them in his Fitz-Patrick lectures.1

Separation of Apothecaries from Grocers

Mayerne had many of the English and Scottish nobility among his patients, and such was his reputation that patients often made the journey from France to consult him. In 1616 he was elected a Fellow of the College of

Physicians of London, and as, in addition to clinical acumen, he possessed a knowledge of chemistry superior to that of any of his medical contemporaries, he was an asset to that body. Though he prescribed balsam of bats for hypochondria, and his Praxis Medica, published posthumously in 1690, contained many fearsome concoctions, Mayerne was largely responsible for a more scientific approach to therapeutics. It was through his influence that the King granted the charter separating the apothecaries from the grocers to "the Master, Wardens and Society of the Art and Mystery of the Apothecaries of the City of London" on December 6, 1617. When the College of Physicians issued the first Pharmacopæia Londinensis in 1618 Mayerne wrote the dedication to James I.

Mayerne introduced the term calomel. In the fourth edition of J. Pereira's Elements of Materia Medica and Therapeutics, 1854, vol. 1, p. 919, the derivation is traced from calomelas, the Greek for good, and black, and reference is made to a story that Mayerne so named it because he had a favourite black servant who prepared the remedy. Another version is that it was a good remedy for the black Mayerne sometimes gave calomel in heroic doses, and when prescribing for robust rustics would order grains 10 of calomel with jalop, senna, and guaiacum. He also prepared a bolus divided into twenty pill masses, involving a dose of grains 20 of mercury in each dose. In 1648 he wrote to Sir Francis Conway:-

'I send you a bottle of my mercurial water. It is not to be drunk, but is only for bathing the parts which chafe and are irritated. Temper it well with rose water and plaintain, that it be not too strong and burn the skin. So diluted, it will, I hope, have good effect. Let me know of its success."

This referred to the lotio nigra, or black wash, which Mayerne prepared by mixing lime-water with mercury, and which was used in the treatment of intertriginous eczema and similar conditions.

The Experimenter

Mayerne's love of experiment was not confined to therapeutics. He prepared cosmetics for the queen, and an eau cordiale, which was a speciality of Genevan pharmacists for at least a hundred years after his death. He invented a washable tablet for writing notes, was granted patents for distilling, invented a method of cleaning paintings, and in successful experiments on pigments did much to advance the art of enamelling. He was responsible for the carnation tint that enabled his friend, Jean Petitot, to obtain the wonderful flesh colouring which is a feature of his exquisite miniatures. Petitot's miniature of Mayerne was shown and described by Sir StClair Thomson,2 who referred in another paper to the prosecution of the Rev. John Evans, a quack who had used Mayerne's name in connection with an antimonial preparation.3

Sir StClair Thomson referred to Mayerne's part in the preparation of the sacred oil used in coronation ceremonies. From the time of Edward the Confessor that had consisted of balm of Gilead and olive oil, but when Mayerne was requested to prepare the oil for the coronation of Charles I he used orange and jasmine flowers infused in oil of ben (sesame seeds), the distilled oils of rose and cinnamon, prepared benzoin, ambergris, civet, musk, and spirit of rosemary. The product had good keeping properties, a rich perfume of peculiar fragrance, and was amber in colour. Mayerne's formula has been followed in all subsequent coronations.

Mayerne was physician successively to James I, Charles I, and Charles II. When Queen Henrietta Maria was lying ill at Exeter he received a note from Charles I: "Mayerne, Pour l'Amour de moy allé trouver ma Femme. C.R." He left London in the queen's chariot on May 21 and did not reach Exeter until the twenty-eighth.

Mayerne lived in St. Martin's Lane, remained in London and continued to see patients throughout the Great Rebellion. After the accession of Charles II he retired to Chelsea, where he died on March 22, 1655, a very rich man, a colleague reporting: "Sir Theodore Mayerne is buryed and died worth £140,000." His library, bequeathed to the College of Physicians, was destroyed in the great fire. His influence was felt long after his death, and as an indication of his fame Scouloudi⁴ quotes from the *Tatler* of December 15, 1709, details of an advertisement of a shop with the sign of the Plough, in New Exchange. A dentifrice bearing Sir Theodore's name was said to make teeth

"clean and white as Ivory, tho' never so black and rotten, fastens and preserves them from the tooth-ach, being an excellent Thing for preventing and Killing the scurvey."

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¹ Scouloudi, 1: Sir Théodore Turquet de Mayerne, royal physician and writer, 1573-1655. Reprinted from the *Proceedings of the Huguenot Society of London*, Vol. 16, No. 3, London: Spottiswoode, Ballantyne & Co., Ltd, 1940.

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Onward from Galen

A CURRENT CAUSERIE

EARLY March is not perhaps the best time of the year for Americans to visit Britain, and the party of members of the Chicago Retail Druggists' Association who spent a week here from March 7 to 12 struck a particularly cold patch. What made matters worse was that the tour arrangements -made, it is understood, by a tourist agency-placed them in a hotel without central heating. Americans are apparently schooled before they set out across the Atlantic to believe that central heating is non-existent in this country—a parttruth convenient, no doubt, to the less accommodating hotel proprietors here, who have fewer complaints in consequence. However, the Association of British Pharmaceutical Industry, which entertained the visitors to luncheon in London on March 9, scored doubly in consequence. A warm welcome by THE PRESIDENT (Mr. J. F. Boucher) was reinforced by warm and pleasant surroundings. The restaurant was brightened, too, by an abundance of flowers which attracted pleased comments from some of the visitors. Mr. Boucher's remarks received equally cordial acknowledgment from MR. CARL M. JOHNSON (chairman of the executive board of the Chicago Retail Druggists' Association), Mr. J. MYERS (secretary and business manager) and by MR. GEORGE A. ELLSWORTH (assistant attaché at the United States Embassy in London) who was present by invitation. After lunch the druggists put questions on the National Health Service to the Londoners present-officers and members of the A.B.P.I., the secretaries of the Pharmaceutical Society and National Pharmaceutical Union, and editors of pharmaceutical periodicals. In the morning the party had visited the Greenford factory of Glaxo Laboratories, Ltd. (picture,

LONDON University was honoured when Professor Karrer, Zurich—probably the world's foremost authority on curare—on March 10 and 11 gave two lectures on that romantic and remarkable drug. Professor Karrer is the author of a textbook on organic chemistry that is known, recognised and studied as much, probably, in England as in Switzerland and throughout the civilised world. He is an authority on the carotenoids and flavines, and joint holder with Dr. Walter Norman Haworth of a Nobel prize

*

in chemistry.

Professor Karrer in his first lecture briefly recounted the early romantic history of arrow poisons and went into the geography and botany of their modern sources in the northern countries of South America. On the screen he illustrated the bamboo tube, earthenware jars and gourds that have caused the names "tube," "pot" and "calabash" to be given to the three principal varieties of curare

known to European commerce. In a mixed academic and student audience a mere journalist was, up to that point, able to keep his head above water. When Professor Karrer went on to enumerate the alkaloids of calabash curare, one member of his audience became quickly submerged. A bewildering tally of "-ines" and "-inines," with other alkaloids too numerous even to be given names, and listed only by numbers—though their structural formulas were known—passed in review on the screen. That portion of the lecture leaves with the writer little more than an impression of one formula, and that not for any chemical reason. It seemed so eminently appropriate in outline to the subject of arrow poisons that it could well be made a curare manufacturer's trade mark.

One must pity the pharmaceutical students of the future when the day comes that they are faced with an examination question on the alkaloids of curare. But should it be the destiny of even a few of those alkaloids to become commercially exploited under competing proprietary titles, heaven help the chemist contractor. He could hardly be blamed then for contemplating the easy way out—a shot of arrow poison.

FIFTY YEARS AGO ATOMIC STRUCTURE

From the C. & D., March 18, 1905

THERE was a very good attendance at the Friday evening discourse on March 10, when Professor J. J. Thomson lectured on "The Structure of the Atom." . . . The lecturer referred to his lecture at the Institution eight years ago, when he showed that an atom is probably made up of very small negatively electrified corpuscles cemented together with positive electricity. Not much is known of the properties of positive electricity, but it is always associated with large masses of atoms. From this and other considerations we are entitled to assume with Lord Kelvin that the atom is a sphere of positive electrification in which the negative particles are arranged within the sphere so as to maintain a compromise of equilibrium. This was illustrated by means of a number of small floating magnets which represented the corpuscles and by their mutual actions provided a oneplane model of the atom. It appeared that the corpuscles in an atom might be looked upon as disposed in successive rings, the number being small in the inner rings but increasing in the outer ones. Definite relations can be traced between the numbers of corpuscles in the outside and inside, and instability results when those relations are varied beyond certain limits.

PHARMACEUTICAL SOCIETY OF IRELAND

Monthly Meeting of Council

A MEETING of the Council of the Pharmaceutical Society of Ireland was held in Dublin on March 8. Mr. M. Costello (president) in the chair. Other members of Council present were Messrs. P. F. McGrath (vice-president), H. P. Corrigan (treasurer), J. Gleeson, E. McSweeny, J. A. O'Rourke, A. A. Toher, T. B. O'Sullivan, F. J. Robinson, G. C. O'Neill, J. J. O'Regan, D. Kennelly, M. Power, T. C. Scott, C. J. Cremen, and F. Loughman. Apologies for inability to attend were received from Mr. J. P. Kissane and Mr. N. A. McKane.

At the outset of the proceedings THE PRESIDENT reported that the registrar (Mr. James G. Coleman) was absent owing to influenza. Mr. Gleeson had kindly agreed to act as deputy at that meeting.

Arising out of the minutes of the February meeting (see C. & D., February 19, p. 208) MR. LOUGHMAN stated that he had forwarded to the registrar a detailed statement on the question of revision of the mode of election to the Senate. MR. McGrath said that the statement would be very helpful to any members of the Council who decided to attend the next meeting of the body dealing with that matter.

British Pharmaceutical Conference

A letter was read from Dr. E. F. Hersant and Mr. H. G. Rolfe (secretaries to the British Pharmaceutical Conference) intimating that communications from research workers on subjects of pharmaceutical interest for the scientific sessions of the Conference meeting in Aberdeen in August-September 1955 should be sent in before June 14. The PRESIDENT reported that since their last meeting Mr. Adams, Mr. Rolfe and Dr. Hersant had paid a visit to Dublin and a full discussion, and interchange of views had taken place with regard to the meeting of the British Pharmaceutical Conference being held there in 1956.

A communication was received from Mr. Patrick T. Crowley, M.P.S.I., Decies Road, Ballyfermot, intimating that he had been appointed a Peace Commissioner.

Dr. Catherine Dignan, 11 Howth Road, Sutton, co. Dublin, and Dr. John F. L. Barry, Loughrea, co. Galway, who submitted L.A.H. certificates, were granted registration as pharmaceutical chemists.

The reports of the House, Law, and Schools Committees were submitted and approved. During the discussion on the Law Committee's report, Mr. Power drew attention to the fact that quite a number of proprietaries containing poison received from cross-channel firms were not correctly labelled in accordance with the Poison Laws in Ireland. Mr. Power mentioned by name a number of the proprietaries, and said the list was quite an alarming one. It was decided to consider the matter at the April Council meeting.

On consideration of the Pharmacy Bill Committee's report THE PRESIDENT said the Council had decided to go slowly in the matter of the bill, since they found various things cropping up which should be included. Several additions had been made, and changes made in their recommendations since the previous Council meeting. It was decided to hold meetings of the local associations at which some members of the Council would attend, and the proposed bill would be discussed. Mr. Power said the bill had been considered at a meeting of chemists in Limerick and they were anxious that persons from outside allowed to register would not be permitted to open shops. It was felt that the bill should deal with the 1908 Act position, travelling shops, and prevent the distribution of medicinal lines to persons not qualified to sell poisons by retail. The meeting pledged full support to the Council. MR. McSweeny said a meeting of the Guild of Pharmacy in Cork gave its fullest approval to what the Council were

seeking in the new legislation. He suggested that members of Council in the provinces be kept fully informed of the position so that they could discuss matters with their local The position of limited liability companies and the retention fee were subjects discussed at the Cork meeting. MR. McGrath said they wanted to stop the individual who was not a chemist at all opening a pharmacy as a limited company. THE PRESIDENT pointed out that there was no intention of interfering with the legitimate family company, but to restrict the activities of unqualified people. The Council agreed that members of the Irish Drug Association Committee could be invited to co-operate with the Bill Committee in working on the measure. MR. O'ROURKE said that in Australia the idea was to get back to pharmacy as a personal qualification, and not a thing which allowed a group to use it for commercial purposes. Mr. Power, referring to sale of poisons by unqualified persons said the word "sale" had now been defined to include "stocking, holding or displaying." THE PRESIDENT said it would be important to have such a definition in the new Act. After a meeting of chemists in the Dublin district, and further provincial meetings the complete set of their proposals would come again before the Council for approval, before being sent to the Department of Health.

The deaths were reported of John Flanagan, M.P.S.I., Frederick Francis Stafford, M.P.S.I., and Michael Fielding, A.D.

Fair Trade Commission

MR. O'ROURKE raised the question of the publication of the evidence given on behalf of the chemists before the Fair Trade Commission (see C. & D., November 20, 1954, p. 509) which he said was inadequately reported in the daily Press. Valuable evidence was given before the Commission by Mr. Loughman, Mr. Robinson, Mr. Brendan Smith, and other witnesses which should be given more fully through the pharmaceutical Press. Mr. McGrath said he agreed that the reports published were very meagre, but steps were being taken to put the matter right. THE PRESIDENT said he would like to thank Mr. O'Rourke, Mr. Robinson, Mr. Loughman, and the members of the I.D.A. who came forward and gave such valuable evidence before the Commission. It was a pity that chemists throughout the country were not made fully aware of all that evidence given on their behalf, but they hoped to put that matter right in the near future.

MR. KENNELLY reported on the progress of "The Fighting Fund" and mentioned some subscriptions received since the previous Council meeting.

Licence certificates were signed and sealed for:—Declan P. Broderick, Richard J. Cullinane, Seamus K. Dargan, John Joseph Donnelly, Thomas Godfrey, Thomas Francis Hassett, Leo James Keenan, Richard Kelly, Patrick A. Stanley; Misses Nora P. J. Fleming, Anne Bridget Manning, Catherine M. W. Ambrose, Ann Dineen, Kathleen M. W. O'Donoghue.

Dispensing chemist and druggist certificates were signed and sealed for:—Albert Dineen, Patrick Connaughton, James Leo McKernan, and Patrick Joseph Plunkett.

The following were elected members of the Society:—Miss Kathleen J. Casey, Miss T. Carmel McDonnell, Mrs. Hannah Reid, Mrs. Eleanor Hillery, Dr. Margaret Irvine O'Doherty, and John Roche.

Nominations were passed in respect of Richard Kelly, Enniskerry, co. Wicklow, Thomas Godfrey, 45 Main Street, Tipperary, John A. McGahan, 74 Shantalla Road, Whitehall, Dublin; and Patrick A. Stanley, Lake View, Athlone, co, Westmeath.

MR. O'REGAN said that a dispensing chemist and druggist who had gone forward for a public appointment in the South had been disqualified on the grounds that he had not the necessary qualifications because he was not a Licentiate of the Society or an L.A.H. He did not agree that was correct. THE PRESIDENT said that apparently the officials of the Local Appointments Commission had no knowledge of the qualification of dispensing chemist and druggist. He would instruct the registrar to take up the matter with the Department of Health. That was a matter which would also have to be put right in the new Pharmacy Bill, now that it was brought to their notice.

The question of the sale by unqualified traders of a certain brand of soap containing a scheduled poison was also mentioned by MR. O'REGAN, and THE PRESIDENT said the matter would receive attention.

At a meeting of the Benevolent Fund Committee held at the close of the Council meeting a number of grants were passed for payment, and thanks voted to the West of Ireland Chemists' Association for their gift of £35 to the Fund, as the proceeds of the recent dinner-dance.

The following changes of address were notified:—
Patrick Duffy, M.P.S.I., to 5 Traber Avenue, Belvedere Lawn, Douglas, Cork; James G. Jordan, M.P.S.I., to 93 Bruce Grove, Tottenham, London, N.17; Dr. R. A. McCarthy, M.P.S.I., to 217 North Circular Road, Dublin; Mrs. Margaret M. McCarthy, M.P.S.I., to 217 North Circular Road, Dublin; Maurice Kissane, M.P.S.I., to 33 Kill Eanna, Howth Road, Raheny, Dublin; John A. McGahan, L.P.S.I., to 74 Shantalla Road, Whitehall, Dublin; and Patrick A. Stanley, L.P.S.I., to Lake View, Athlone, co. Westmeath.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

A MEETING of the Council of the Pharmaceutical Society of Northern Ireland was held in Belfast recently, the vicepresident (Mr. H. P. Crossin) in the chair.

The report of the board of examiners on the December 1954 examinations was received. In the Final Qualifying Part II, the standard attained by some of the candidates in theoretical pharmaceutics suggested that they were not thoroughly prepared for the examination. Only a few really good papers were met. In some, illegible handwriting made it difficult to interpret the candidates' answers. The practical work was generally well done, but a few candidates seemed unable to complete the required number of prescriptions in the time allowed. The general standard in theoretical pharmacognosy was good, and the majority of candidates appeared well trained. Where the biological source of a drug was asked, a number of candidates wrote the names in an obscure manner. Candidates generally showed an adequate knowledge of poisons and Dangerous Drugs legislation. The general standard reached in theoretical chemistry was disappointing, and it appeared, from the practical examination, that too many students read textbooks on organic chemistry and thought they understood it, whereas practice in writing organic reactions would have resulted in better retention of the subject matter. often the statement was made: "I knew it all until I entered the examination hall," whereas the fact was that on revising class work the false impression of knowledge was gained by recognising in the textbook something heard previously in the classroom. Much inorganic chemistry appeared to be forgotten after the passing of the Final Part I and that resulted in low marks in that section. The standard in the practical work was satisfactory and some candidates showed a marked difference from their performance in the theory papers.

In the Preliminary Scientific examination the number of candidates was smaller than in June 1954 and a higher proportion of candidates reached the pass standard. In chemistry there was a common failing of attempting to answer a question without first reading it completely. That was particularly noticeable in the question dealing with volumetric analysis. Two other weaknesses were the learning by rote of a procedure without understanding the principles involved, and the making of statements that common compounds such as zinc sulphide and calcium carbonate were soluble in water. Work later in the practical examination showed clearly that such statements were due not to lack of knowledge, but to lack of thought. The practical examination revealed weaknesses in qualitative work where often too much material was employed, leading to a waste of time in precipitation and filtration. Failures in theoretical and practical botany were more or less equally balanced. There appeared to be a serious deterioration in the standard of spelling and composition.

THE SECRETARY (Mr. William Gorman) read a letter from the British Pharmaceutical Conference thanking the Council for their expressions of sympathy to the Executive on the deaths of Mr. E. Saville Peck and Dr. C. H. Hampshire.

The Council approved the recommendation of the Education Committee to grant a certificate of apprenticeship to Robert James Scott, Belfast.

A letter from the International Pharmaceutical Federation on the general assembly that is being held in London in September (see C. & D., January 15, p. 61) and asking for suggestions for topics for inclusion in a paper to be presented by Dr. V. Hauser, Austria, was considered. MR. CROSSIN hoped that suggestions in the field of professional, social and economic pharmacy would be forwarded by Northern Ireland members attending the assembly.

The Ministry of Home Affairs informed the Council that the resolution and recommendation of the Council forwarded on October 21, 1954, had been made the subject of an Order in Council. The Order amends the third schedule of the Medicines, Pharmacy and Poisons Act (Northern Ireland), 1925, by adding to Part 1 of the schedule "laudexium; its salts" and to Part 2 "sulphotepp."

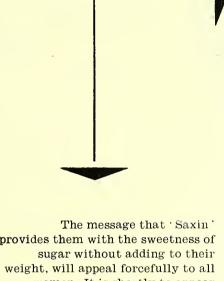
PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Meeting of Council (concluded)

THE report of the Benevolent Fund and War Aid Committee showed that grants amounting to £273 had been made to four widows and three members. Recommendations for grants amounting to £639 in four other cases (two widows and two members) were approved. Two applications for assistance were deferred. Payment of one grant was curtailed and another was reduced. Payment from the Benevolent Fund of a beneficiary's retention fee was authorised. A cheque for £16 from the Western Pharmacists' Association for a gift for Birdsgrove House was reported received. A cheque for £20 from the Anglesey, North Caernarvonshire and Colwyn Bay Branch was also noted. The Secretary reported that the Preston Branch had asked how to spend £17 17s, on a gift for Birdsgrove House. Cheques for £150 from the Pharmaceutical organisations in the Manchester area, to be used to construct a lily pond in the garden of Birdsgrove House in memory of the late Mr. Thomas Miller, and of £50 from the Bournemouth Pharmaceutical Association, were also received.

The Law Committee reported that in January the Society's inspectors and agents had visited 1,165 authorised sellers, 125 listed sellers, and 381 drug-store proprietors and similar traders. Seven alleged infringements of the Pharmacy Acts were considered and action taken. Seventy-four persons were reported to have been registered as students during February, making 128 registrations in the year, against 110 in February 1954. The names of ten pharmacists who had applied for registration under reciprocal arrangements were added to the register. Eight names were restored.

Make their loss your gain



provides them with the sweetness of women. It is shortly to appear in Good Housekeeping, Woman's Own, Woman, Everywoman, My Home, Wife and Home, Home Notes, Home Chat, Woman's Weekly and Woman's Illustrated. The advertisement will be accompanied by a coupon offering a free sample. The replacement of sugar by 'Saxin' helps the slim to remain so, the overweight to regain a slimmer line. Unlike ordinary saccharin, it leaves no unpleasant after-taste. It is sold only by pharmacists. A counter or window-display will therefore ensure that you gain as you help your customers to lose unwanted weight.

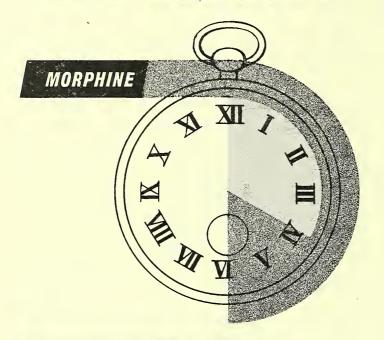
"Sugar?" "I take 'SAXIN' — it's better for my figure, and just as sweet!"				
"But doesn't it leave a horrid bitter taste?"				
"Oh no! 'Saxin' is not like other sugar substitutes— it's the sweetener with no other taste! One tablet is equal to a large lump of sugar—without, of course, any effect on your waistline! I use 'Saxin' in everything tea, coffee, cocoa—even for cooking, 'too!'				
Yes, it's true! Life can still be sweet, without waistline worries, if you use 'Saxin' nothing but sweetness! But prove it yourself — without expense or obligation. Send now for your <i>free</i> sample of 'Saxin', and some cooking hints specially prepared by Helen Burke.				
POST OFF THIS COUPON for a free sample of 'Saxin' just as soon as you can!				
NAME				
Post in unsealed envelope, 1½d. stamp, to Burroughs Wellcome & Co., 183, Euston Road, London, N.W.1. A BURROUGHS WELLCOME & CO. PRODUCT				



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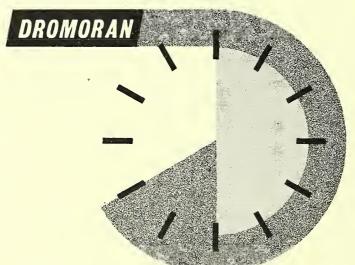


'DROMORAN'



'Roche'

EFFECTIVE TIME 4-6 HOURS



EFFECTIVE TIME 6-8 HOURS

PACKINGS

Tablets: 1.5 mg. in packings of 20 and 200.

Ampoules: 2 mg. in I c.c. in packings of 6 and 50.

ective by mouth

ROCHE PRODUCTS LIMITED 15 MANCHESTER SQUARE LONDON

TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON, MARCH 16: Inquiry during the week for Crude Drugs was mainly directed to commodities that have been in short supply. Prices at origin remained firm, but in spite of the firm prices several countries are having to buy in order to replace their diminished stocks.

Good-quality RHUBARB was in demand by some of the Continental countries and only one grade is now quoted on the spot. Although it is difficult to obtain shipment quotations for Gentian, spot material is still available on the basis of previous quo-Good-quality Alexandrian tations SENNA PODS continue difficult to obtain, and it seems that few, if any, of the small parcels now received from Egypt are sorted into the grades as formerly. Tinnevelly senna leaves, No. 1, were short on the spot, and prices were slightly firmer. Shipments of senna from the port of Tuticorin during February were:

	UNITED KING- DOM	United States	EUROPE
	Tons	Tons	Tons
LEAVES	7	59	37
Pods	5	3	4

Licences are still not being granted by the Indian authorities for the export of RAUWOLFIA Serpentina. Among AROMATIC SEEDS, CORIANDER was steady on the spot with shipment rates tending to be slightly easier; FENUGREEK was firm as reports from Morocco stated that supplies were virtually exhausted. GUM ACACIA was down by 5s. a cwt. while TRAGACANTH was £5 a cwt. dearer for all grades. Spot supplies of BEESWAX are almost cleared as are those of Montan (Reibeck crude). Duty-paid Chinese MENTHOL fell by one shilling a lb. Costa Rican and Nicaraguan IPECACUANHA were offered from origin during the A small quantity of prime week. Cape ALOES was available on the spot at an enhanced price; shipment offers were still difficult to procure.

Business in Pharmaceutical Chemi-CALS was quiet with most prices unaltered. The schedule for VITAMIN B2 (RIBOFLAVINE) has been levelled out with the result that kilo lots were reduced by £4 per kilo from March 14.

Higher and lower quotations for Essential Oils were about equally divided. Among the oils which were easier were Ceylon CITRONELLA and Chinese Peppermint (both by sixpence a lb.); Cassia (ninepence) and Madapascar CLOVE-LEAF (threepence). Dearer per lb. were Mysore SANDAL-wood (by 2s. 6d.); Bourbon GERANIUM (5s.) and Bois de Rose for shipment (3s. 6d.). LEMONGRASS also recovered during the week with shipment quotations one shilling per lb. higher than in the previous week.

Pharmaceutical Chemicals

CALCIUM CHLORIDE. — B.P. crystals are 87s. per cwt. in 1-cwt. lots.

Chiniopon.—B.P 1948 is 67s. per kilo; 50-kilo lots, 62s. 6d. per kilo. The sodium derivative (B.P. 1953) is 99s. 4d. and 92s. 9d. for the same quantities.

CITRATES.—Rates (per lb.) are as follows:—Potassium, 1-cwt. lots, 3s. 6\frac{1}{2}d.; 28-lb., 4s. 5d.; Sodium, 1-cwt., 2s. 11\frac{1}{2}d.; 28-lb., 3s. 8\frac{1}{2}d. (powder of both salts two-pence more). Iron and Ammonium, 1-cwt. lots, granulated, 3s. 10\frac{1}{2}d.; 28-lb., 4s. 10d.

HEXAMINE.—B.P. is 1s. $9\frac{1}{4}$ d. per 1b., for 1-ton lots, delivered.

HEXOBARBITONE. — B.P. in 1-cwt. lots is 55s. per 1b.

HOMATROPINE.—Current rates (per oz.) for 16-oz. lots are now: Alkaloid, 56s. 9d.; hydrobromide, 39s. 3d.; hydrochloride, 43s. 2d.; methylbromide, CHLORIDE, 43s. 2d.; METHYLBROMIDE, 48s. 9d. 1-oz. rates are about 6d. per oz. higher in all cases.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 4d. to 1s. 11d. per lb., as to quantity; Scheeles is from 1s. 8d. to 2s. 3d.

HYOSCINE HYDROBROMIDE.—1-oz. lots are 74s. 3d.; 4-oz., 74s., and 16-oz., 73s. 9d., per oz.

ICHTHAMMOL.—B.P. is about 2s, per 1b. in 1-cwt. lots.

IODINE.—Resublimed is 17s, 1d. per lb. in 1-cwt. lots. Minimum delivered rate for CRUDE is 22s. 10d. per kilo.

in 1-cwt. lots and crystals, 28s. 9d. IODOFORM.—Powder is 26s. 1d.

MENAPHTHONE. — B.P. is £13 per kilo; ACETOMENAPHTHONE, B.P., £13; WATER-SOL-UBLE (menadione sodium bisulphite, U.S.P.) £16 per kilo.

METHADONE HYDROCHLORIDE. — Price is from 2s. to 2s. 6d. per gm., as to quantity. METHYLPHENOBARBITONE.—B.P. is 45s. per 1b. (1-cwt. lots).

NICOTINAMIDE. - Prices per kilo are: 1-kilo, 113s.; 50-kilos, 105s.

NICOTINIC ACID.—Prices per kilo are 78s. for 1-kilo and 70s. for 50-kilo lots.

NIKETHAMIDE. — Prices per kilo are:—

1-kilo, 113s.; 50-kilos, 105s.

OXALIC ACID.—Manufacturers' rates for 1-ton lots are from £131 10s. to £135 10s. per ton as to packing, delivered.

per ton as to packing, delivered.

PARAFFINS. — Prices to wholesaler distributors are as follows: —Liquid: Heavy, B.P., £98 17s. 6d. per ton; LIGHT, B.P., £81; light Technical white, £68 10s., all in 40-45 gall. returnable loaned drums, delivered U.K. Soft: White, medium consistency, £92 15s. per ton; White, soft consistency, £90 10s., and Yellow, £70 10s., all B.P., in non-returnable drums delivered. Hard: Melting point 135/140° F. is £86 17s. 6d. and 145/150° F., £93 5s. per ton, in minimum 1-ton lots, ex works. ex works.

PARALDEHYDE. — In 40 gall. drum lots are stabilised is 153s. per cwt. and the technical, 126s.

PHENOL. — Basic price for crystals in drums is 1s. 4d. per lb., and for LIQUID, B.P., 1s. 34d.

Phosphoric acid.—B.P. is 1s. 5½d. per lb. in 1-2 carboy lots. Hypophosphorous, B.P.C., in winchesters, is from 5s. 9d. to B.P.C., in winchesters, is from 5 6s. 10½d. per lb. as to quantity.

Physostigmine.—Scarce. Current rates per 1 doz. tubes of 1 gm. are: Alkaloid, 148s. 5d.; Salicylate, 124s. 3d.; Sulphate, 134s. 6d.

PIPERAZINE. — Quotations for HYDRATE are from 59s. 6d. per kilo.

PILOCARPINE. — In 100-oz. (or $2\frac{1}{2}$ kilo) lots prices are: HYDROCHLORIDE, 42s, 6d. per oz. (1,428s. 6d. per kilo); NITRATE, 38s. per oz. (1,340s. per kilo).

POTASH SULPHURATED.—B.P.C. lump is 2s. 3d. per lb. for 1-cwt. lots.

POTASSIUM BROMATE.—In 5-cwt. lots, 7s, per lb. In small quantities the prices range up to 8s. 9d. per lb.

POTASSIUM CHLORIDE. — In 1-cwt. lots B.P., is 1s. 6d. per 1b.

POTASSIUM 8-HYDROXYQUINOLINE SUL-PHATE.—1-kilo is 47s. 1d. and 50-kilos, 44s., per kilo.

POTASSIUM PERMANGANATE. — Rates for B.P. material for 1-cwt. lots is 1s. 8½d. per lb., and for technical, 181s. 6d. per

RIBOFLAVINE.—Lower. Price (per kilo) is £36 15s. for 1-kilo and £36 12s. 6d. for 10-kilo lots.

SALOL.—Ouotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

SEMICARBAZIDE HYDROCHLORIDE.—Technical grade is 20s. per lb. for 1-cwt. lots.

SODIUM ACETATE. — B.P.C. powder in 1-cwt. lots is 1s. 10d. per lb.

SODIUM BROMATE.—1-cwt, lots are quoted at 10s. 9d. per lb.

Sodium Chloride. — Re-crystallised is 30s. per cwt.

SULPHACETAMIDE.—Quotations (per lb.) for 1-cwt. lots are 24s. 6d. The SODIUM DERIVATIVE is 30s.

SULPHAGUANADINE.—Manufacturers' rates for 1-cwt. lots are about 14s. 6d. per lb.

SULPHANILAMIDE.—Manufacturers' rates are from 6s. 3d. per lb.

Crude Drugs

Aconite. — Spot supplies of Spanish napellus are 4s. per lb., duty paid.

AGAR. — Kobé No. 1 on the spot is unchanged at 16s. 9d. per lb., duty paid. Shipment, 14s. 3d., c.i.f., new-crop.

Aloes. — Prime Cape spot value is around 400s. per cwt. For shipment, 278s., nominal.

Aniseed (STAR).—Chinese is 155s. per cwt., in bond and 140s., c.i.f.

Antimony. — English 99.6 per cent. is £222 10s.; 99 per cent., £210 per ton. ARECA NUTS. — Quotations are about 40s, per cwt. for Ceylon material on the spot. Shipment, 25s., c.i.f.

ASAFŒTIDA.—Persian block is from £10 to £14 per lb., duty paid, as to quality.

BALSAMS.—Quotations (per lb.) are:— Canada: spot offers are from 22s. 6d. to 25s. as to holder; no offers for ship-ment. Copaiba, B.P., 11s. 6d. Peru is 12s. 6d., duty paid; forward delivery, 11s. 3d., c.i.f. Tolu (genuine as imported), 26s. 6d. spot, and 26s., c.i.f.; B.P., 17s. 6d., spot spot.

BELLADONNA. — Root testing 0.42 per cent. is offered at 2s. per lb. and LEAVES testing 0.514 per cent. at 3s.

BISMUTH METAL.—Minimum rate is 16s. per lb.

BUCHU.—New-crop offers of rounds for shipment are from 3s. 6d. to 4s. 2d., c.i.f., as to quantity and position. Spot offers at 4s. 9d.

CAMPHOR. — B.P. POWDER is 8s. 3d., per lb., duty paid. Offers for shipment are at 6s. 6d. per lb., c.i.f. TABLETS, 4-oz. are 7s. 2d., in bond.

Capsicums.—East African on stalk are 160s. per cwt., spot. Abyssinian, off stalk, 205s., spot, duty paid.

CASCARA SAGRADA.—American 1954 peel for shipment is 220s, per cwt., c.i.f., London; spot, 260s., duty paid.

CASSIA BARK. — Whole on the spot is about 90s. per cwt., in bond, and for forward delivery, 81s. 6d., c.i.f. Broken 75s., in bond, and 72s. 6d., c.i.f.

CHAMOMILE. — Belgian flowers are 5s. per lb. on the spot.

CHERRY BARK. — Thin natural is from 1s. 8d. per lb., duty paid, and rossed, 2s. 1d., on the spot.

CINCHONA. — A parcel of Tanganyika druggists' bark (7.79 per cent, total alkaloids) is offered on the spot at Is. 11d. per lb.

CINNAMON.—Ceylon for shipment (c.i.f.) per lb.; OOOO, 5s. 9d.; OOO, 5s. 8d.; OO, 5s. 7d.; O, 5s. 6d.; firsts, 3s. 11d.; quillings, 2s. 3½d.; chips, 7d.

CLOVES.—Zanzibar on the spot are now quoted at 3s. 5d. per lb.; prompt shipment, 3s. 1½d., c.i.f.

Cocillana. — Value of bark is 2s. 9d. per lb. on the spot.

ERGOT.—Portuguese on the spot is 16s. per lb., and Polish for shipment, 7s., c.i.f.

Galangal.—Root is quoted at 70s. per cwt., c.i.f., for shipment, and spot, 85s. nominal.

Gentian.—French natural on the spot is from 122s, 6d. per cwt.

GINGER.—African is quoted on the spot at 220s. per cwt.; old-crop for shipment, 195s., c.i.f. Jamaican No. 3 is now 315s. on the spot and 300s., c.i.f.

GUM ACACIA. — Kordofan cleaned sorts on the spot are quoted at 140s. per cwt.; afloat, 130s., c.i.f.; April–May, 127s., c.i.f.

Henna.—Indian is 105s. per cwt. for the green and 72s. 6d. for brown. Egyptian is 130s, per cwt.

HYDRASTIS. — Root is 17s. 6d. per lb., on the spot.

Kola NUTS. — African halves are short on the spot at about 6d. per lb.

MENTHOL.—Chinese is 58s. 6d. per lb., duty paid and 57s. 6d., in bond. Brazilian afloat, 55s., c.i.f., and spot, 57s. 6d., duty paid.

PEPPER.—More inquiry. White Sarawak on spot is selling at 4s. 3½d. to 4s. 4d. per lb.; afloat parcels are 4s. 1½d. to 4s. 2½d., c.i.f. Black Sarawak is 3s. 1d., spot; afloat, 2s. 10d. to 2s. 11d., c.i.f. Black Malabar is easier at 370s. per cwt. on the spot and 350s., c.i.f., for shipment.

PIMENTO. — Spot is quoted at about 6s. 8d. per lb.

QUILLAIA. — Whole bark to arrive is offered at 220s. per cwt., landed terms.

RHUBARB. — Chinese is scarce on the spot; the only quotation is 8s. 9d. per lb., in bond, for two-thirds pinky.

SEEDS.—(Per cwt.). ANISE. — Tunisian now available on spot with sellers quoting 280s. to 285s., duty paid. CARAWAY. — Dutch now landing offering at 170s., duty paid. CELERY.—Indian unchanged at 155s., spot. Corlander.—Market remains steady on spot with shipment inclined to be slightly easier. Spot, Morocco 80s., duty paid (75s., in bond); Rumanian, 65s., duty paid. Shipment, shippers now quoting 57s., c.i.f., London. CUMIN.—Quiet. Spot, Cyprian, 125s.; Morocco, 126s., duty paid. Shipment, Cyprian reported sold at 107s. 6d., c.i.f., London; Morocco quoted at 110s., c.i.f. DILL.—Indian unchanged with sellers at 80s., spot London. FENNEL.—Indian are offering at 90s., spot and Chinese at 92s. 6d., duty paid. FENUGREEK. — Firm. Morocco, 57s. 6d., duty paid. Morocco reports that stocks are almost exhausted; 51s., c.i.f., is nominal quotation. MUSTARD.—English 76s. to 87s. 6d., according to quality.

SENNA. — Tinnevelly LEAVES (per lb.), prime No. 1, 1s. 1\frac{1}{2}d.; No. 2 (dry crop), 9\frac{1}{2}d.; prime No. 3, 8d.; f.a.q., No. 3, 7d.; pops, f.a.q., 7\frac{1}{2}d.; hand-picked, from 1s. 6\frac{1}{2}d. to 2s. 10d. as to quality, all on the spot. Alexandrian manufacturing pods, 2s. spot; small lots of hand-picked, 6s. to 7s. 6d.

TONKA BEANS.—Frosted Para are 6s. perlb. on the spot.

Tragacanth.—No. 1 ribbon is £160 to £165 per cwt.; No. 2, £125 to £130; No. 3, £110 to £115.

TURMERIC. — Quiet. Rajapore is unchanged at 205s. per cwt. on the spot. Madras finger (new-crop) for April-May shipment, quoted at 115s., c.i.f.

Vanillin. — Rates (per lb.) are:—5-cwt. lots, 30s.; 1-cwt., 30s. 3d.; 56-lb., 30s. 6d.; smaller quantities, 30s. 9d.

Waxes. — Bees'—Scarce on the spot. Dar-es-Salaam, spot cleared; shipment, 540s., c.i.f.; Sudanese and Abyssinian spot, 525s., duty paid nominal and 490s., c.i.f. Candelilla.—Spot is 570s. per cwt. Forward, 570s., c.i.f. Carnauba.—Prime yellow on the spot is 850s. per cwt., shipment, 805s., c.i.f.; fatty grey is 540s. on the spot; shipment, 520s., c.i.f. Montan.—Reibeck, crude, no spot offers. Spermacett.—Case lots are about 2s. per lb.

WITCH HAZEL LEAVES.—Firm at 1s. 9d. per lb, on the spot.

Essential and Expressed Oils

ANISE.—Chinese is quoted at 19s. 6d. per lb. on the spot and 20s., c.i.f.

BAY.—West Indian is 12s. per lb. on the spot.

Bois DE Rose.—Scarce. Brazilian is 36s, per lb. on the spot and 35s., c.i.f., afloat.

Cananga. — Supplies to come forward are quoted at from 55s, per lb., c.i.f. Spot is from 60s, 6d, per lb.

CARAWAY.—English-distilled is offered at 55s. and imported oil at 30s. 6d. per lb.

CARDAMOM.—Price per lb. is from 360s. for English distilled and 295s. for imported.

CASSIA.—Original drums are about 15s, 9d. per lb. for spot with shipment prices nominal.

CASTOR. — In minimum 2-ton lots the price of pharmaceutical quality for prompt delivery is £118 per ton, naked ex mill. For forward delivery the price is £116

CHAMOMILE.—English oil is offered at from 270s. to 288s. per lb.

CHENOPODIUM.—1-cwt. lots are 45s. per lb.

CITRONELLA.—Ceylon is 7s, 3d, per lb, on the spot and 6s, 9d., c.i.f.; Formosan and Java are 11s, 4½d., c.i.f.

CLOVE.—Madagascar leaf is 12s. per lb., duty paid and 10s., c.i.f., for shipment. Redistilled stem oil from 19s.; distilled bud oil, English, from 37s. 6d. to 40s.; imported, 18s. 6d. to 19s. 6d.

Cop-Liver.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—Russian-seed oil is offered at from 100s. per lb.

CUBEB.—English distilled is 50s. per lb. and imported, 47s. 6d.

CUMIN. — Quotations for English-distilled oil are about 77s. 6d. per lb. and imported, 57s. 6d.

Dill. — B.P. English-distilled oil is quoted at 60s, per lb. Imported oils are scarce at 36s, per lb.

EUCALYPTUS.—Australian 70 to 75 per cent. eucalyptol on the spot is 5s. 6d. per lb. Spanish, 70 to 75 per cent., 5s., duty paid

FENNEL.—Spanish sweet on the spot is quoted from 9s. 6d. per 1b.

GARLIC.—English is 55s. per oz.

Geranium.—Bourbon is 87s, 6d. per lb. on the spot and Algerian, 76s, 6d.

GINGER. — English-distilled oil is 160s, per lb. nominal, with cheaper grades down to 115s. Imported oils are available at from 122s. 6d. per lb.

LAVENDER. — Scarce. 38-40 per cent. linalol on the spot is 90s. per lb. 40-42 per cent., 100s., nominal.

LAVENDER SPIKE. — Spanish is from 13s. 6d. per lb.

LEMON. — B.P. (4 per cent. citral) on the spot is 38s, to 40s, per lb. Sicilian hand pressed, 45s, to 47s, 6d., spot; 44s, c.i.f. Californian, 28s, 6d, to 43s, 7½d., c.i.f., as to quality, subject to licence.

LEMONGRASS.—Dearer. Spot is quoted at 14s. 6d. per lb. and shipment at 14s. 3d., c.i.f.

NUTMEG. — English-distilled oil is 37s. 6d. per lb. Imported oil is firmer at 31s. per lb., duty paid for drum lots.

Orange.—Include: Florida, 4s. 6d.; Californian, 6s. 2d.; West African, 11s. 6d. For shipment, Californian sweet, 6s., c.i.f., and cold-pressed, U.S.P., 9s. 3d., c.i.f., subject to licence.

PEPPEMINT. — Arvensis: Chinese is 43s., spot and 45s., c.i.f. Brazilian, 33s., spot, and 31s., c.i.f. (April–May). Italian "Mitcham" type oil is from 72s. 6d. to 80s., spot, and American 60s. to 65s.

PINE.—Pumilionis on the spot is from 16s. per lb.; sylvestris, 9s. Siberian (abietis), 11s.

Sandalwood.—Mysore is 77s. 6d. per lb., East Indian 76s.

SPEARMINT. — Offers of U.S.P. quality vary between 33s, 6d, and 38s, per lb. on the spot. Dutch quoted at 32s, 6d., duty paid.

TANGERINE.—Good quality is scarce on the spot at 48s. per lb.

THYME.—B.P.C. is about 9s. 6d. per lb. TITREE. — Small lots are offered at 13s. 6d. per lb.

VETIVERT.—Bourbon in original drums on the spot is 90s. per lb.

UNITED STATES REPORT

NEW YORK, MARCH 15: GLYCERIN was in short supply because of a strike at one producing plant. Only very limited amounts of Japanese MENTHOL. were available at \$21.50 per lb. (up \$2.50). Prices for ETHANOLAMINES were raised one-quarter cent per lb., making TRIETHANOLAMINE 23½ cents. A 30-cent reduction, the first in two years, made SULPHATHIAZOLE powder \$2.50 per lb., and SODIUM SULPHATHIAZOLE \$2.75. Lower production costs reduced synthetic hormone prices, making Testosterone 70 cents per gm. (down nine cents); Testosterone propendate, 68 cents (seven cents); Progesterone, 50 cents (15 cents). Pregnenolone, 45 cents (15 cents) and the Acetate, 40 cents (15 cents). Higher per lb. among Botanicals was Spanish Saffron at \$42.50 (up \$2.50). Lower per lb. were Copaiba balsam at 90 cents (down five cents); Bourbon Vanilla beans at \$9.75 (25 cents); and Mexican Vanilla bean cuts at \$9.50 (50 cents). Higher per lb. among Aromatics and Essential Oils were Anethol at \$1.85 (up 20 cents); Spearmint, \$4.25 (15 cents); Spearmint, \$4.25 (15 cents); Spearmint, \$4.25

Higher per lb. among Aromatics and Essential Oils were Anethol at \$1*85 (up 20 cents); Spearmint, \$4*25 (15 cents); Sandalwood oil, \$13*00 (25 cents), and Bay, 50-55 per cent., \$2*25 (25 cents). Lower per lb. were Clove Leaf oil at \$1*50 (five cents); Chenapodium, \$5*10 (10 cents); Bergamot, \$9*50 (down 50 cents); and Californian Lemon, \$5*00 (25 cents).

WORLD TRADE

Australian Alkali Tariff. — Imperial Chemical Industries of Australia and New Zealand, Ltd., has made strong protests to the Government against the rejection of its alkali tariff application.

Sicilian Sulphur Industry Crisis. The owners of Sicily's 360 sulphur mines have announced that they will close down on March 20 because of lack of Government aid. The island's sulphur industry has been in the grip of a crisis for almost two years since the fall in world prices for sulphur after the Korean war. The owners said that it was impossible to sell their sulphur in competition with the cheaper American product. They had huge stocks on their hands.

West German Chemical Industry.— West German chemical imports rose by about 44 per cent. to DM 892 millions last year, while exports increased only by 28 per cent. to DM 2,890 millions. Exports of pharmaceuticals rose from DM 223 millions in 1953 to about DM 261 millions last year The country was fourth as a world exporter after the United States, Switzerland and the United Kingdom. West German pharmaceutical imports were almost fully liberalised. They rose from DM 51 millions in 1953 to DM 65 millions last year. The industry's total sales last year were estimated at about DM 1,000 millions compared with DM 536 millions in 1950.

European Chemical Trade Conference. — The second international meeting of European chemical trade associations is being held in Milan on April 18 and 19. The meeting is organised by the Italian Association of the Chemical Products Trade—15 Via Carducci, Milan, the executive committee of which, under Mr. Pietro Misul, recently decided to make the meeting coincide with the "chemical days" at the Milan International Fair. The meeting is a second or milant trade association of the care of the control of the care of ing of European chemical trade asso-The meeting is a sequel to one which took place at Bad Godesberg, West Germany, on October 14 and 15, 1954.

Penicillin Prices in Spain.—A sharp controversy regarding the price of penicillin produced in Spain has raised the basic issue of the industrialisation in that country. Producers complain that one of the two penicil-June 1954 because of large stocks being available. The Minister of Commerce has issued an official note alleging the "dumping" of penicillin on the Spanish market. The Minister said that vials imported into Spain had sold at 29.40 pesetas after all incidental charges and customs duty had been paid although they were sold in the country of origin at the equivalent of 80.56 pesetas. "It is the Minister's duty to try to prevent imports, whether these be clandestine or 'dumping' normal, which may cause our factories to close down or reduce production, where it is a question of products made by legally established Spanish industries and of impeccable quality and sold at the rates established by the competent authorities," the note added. Importing interests have denied that there is "dumping" and complain that Spanish-produced penicillin is too dear.

TRADE MARKS

APPLICATIONS ADVERTISED REFORE REGISTRATION

From the "Trade Marks Journal," February 23

For pharmaceutical preparations and substances all containing lacto serum or lactic acid (5) LACTICYD, 732,566, by Maur'ce Lavril, Eure, France.

For all goods (5)
PLANOTOX, 734,579, by May & Baker, Ltd., Dagenham, Essex.

For pharmaceutical preparations for human use

PAMIPHEN, 735,777, by Upjohn of England, Ltd., London, W.1.

For suspensory bandages (5)
AIR-LIFT, 736,461, by A. G. Spalding & Bros., Ltd., London, S.W.15.

For pharmaceutical preparations for the treatment of nervous complaints (5)

TRANQUILEX, 736,489, by Rexall Drug Co., Ltd., Loughborough, Leics,

For insecticides (5)

ATAX, B736,609, KAN-KILO, B736,611, by Colgate-Palmolive Co., Delaware, U.S.A.

For chemical preparations being funigants for in the destruction of insects and fungi (5) CAL-O-MIST, 737,415, by Lunevale Products, Ltd., Lancaster, Lancs,

For pharmaceutical preparations and substances for use in the treatment of the skin (5) DERMATHEN, 737,584, by Clinical Products,

Ltd., Richmond, Surrey.

For pharmaceutical preparations

JUNIOR PLENAMINS, 737,588, by Rexall Drug Co., Ltd., Loughborough, Leics.

For pharmaceutical preparations and substances

CLISTIN, 737,640, by McNeil Laboratories, Inc., Pennsylvania, U.S.A., DISTAPEN, 737,690, by Distillers Co. (Biochemicals), Ltd., Speke, Liverpool, HYDROCORTISTAB, 737,827, by Boots Pure Drug Co., Ltd., Not-tingham, STA-SOL, 737,902, by A. E. Staley Manufacturing Co., Delaware, U.S.A. FIORI-NAL, 738,163, by Sandoz, Ltd., Basle,

From the "Trade Marks Journal," March 2

For chemical products used in agriculture, horticulture and forestry (1)

PROZOMIN, 736,355, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For chemical substances for use in agriculture and

horticulture (1)
KAINIP, 737,269, by Boots Pure Drug Co., Ltd., Nottingham.

For non-medicated toilet preparations (3) FILOU, 725,028, by Charmis, Paris, France, TWEED MIST, 735,785, by Lentheric, Ltd., London, W.1. ALYN, B736,996, by Charles Henry Brunning, Caergwrle, nr. Wrexham, AIRGLO, B737,028, by Rushtons (Wholesale), Ltd., Southport, Lanes, DEFENSYL, 737,948, by Lloyd Hamol, Ltd., London, S.W.1.

For preparations for cleaning dentures (3) DENCLEN, 735,820, by Krauth Chemicals, Ltd., Chertsey, Surrey.

For deutifrices (3)

ZYMEDENT, 736,090, by Lambert Co., New Jersey, U.S.A. For all goods (3)

MUVOLA, 737,706, MOROVOL, 737,708, by Moore Medicinal Products, Ltd., Aberdeen. RACALON, 737,956, by Racasan, Ltd., Ellesmerc Port. Ches.

For medicated narcotic preparations for human

EUNARCON, 720,311, by Riedel-De Hacn, A.G., nr. Hanover, Germany.

For preparations for destroying animals, insects and weeds and for combating vermin, and disin-

fectants (5)
PAREX, 720,313, Riedel-De Haen, A.G., nr.
Hanover, Germany.

For pharmaceutical preparations and substances

CHOLMODIN, 720,314, by Riedel-De Haen,

A.G., nr. Hanover, Germany. MUSTEROLE, 737,039, by Mustcrole Fine Products, Co., Ltd., London, W.I. LOXARIN, 737,622, by William R. Warner & Co., Ltd., London, W.4. GOSSERGEN, 738,195, by C. L. Beneard, Ltd., London, S.W.I.

For emulsions of vitamin K₁ for pharmaceutical use as coagulants (5)

MEPHYTON, 730,947, by Merck & Co., Inc., New Jersey, U.S.A.

For effervescent pharmaceutical preparations containing seltzer (5)

SELTZ-PRIN, 733,015, by Chas, H. Phillips Chemical Co., Ltd., London, W.3.

For veterinary preparations (5)

VETAFORCE, 733,489, by Vitaforce Products. Oucensland, Australia.

For all goods (5)

or all goods (5)

LAROVIC, LAROVICAL, 736,062-3, MENDOLOR, 736,066, by Roche Products, Ltd., Welwyn Garden City, Herts, PELDOID, 736,138, by Harker Stagg, Ltd., London, E.1. MR, SCOOP, 736,252, by Scottish Co-operation, Whelesele, Section, Ltd., Classes. tive Wholesale Society, Ltd., Glasgow. UMTWA, 736,454, by Kowie Medicines, Ltd., UMIWA, 736,454, by Kowie Medicines, Ltd., Chiselhurst, East London, South Africa. NUVOLA, 737,707, MOROVAL, 737,709, by Moore Medicinal Products, Ltd., Aberdeen. RACALON, 737,957, by Racasan, Ltd., Ellesmere Port, Ches.

Fo: medicinal preparations for human use in the treatment of sciatica and lumbago (5)

SCIARGO, 736,289, by Potter & Clarke, Ltd., Barking, Essex.

For pharmaceutical preparations and substances for human use and for veterinary use (5)

QUIESCIN, 736,953, by Organon Laboratories, Ltd., London, W.C.2. for preparations for destroying insects and vermin

PARASECT, 737,026, by Hollins Timber Development Co., Ltd., Darwen, Lancs.

For pharmaceutical preparations and substances for use in the treatment of the skin (5) DERMATHENYL, 737,583, by Clinical Products, Ltd., Richmond, Surrey.

For veterinary preparations and substances (5) TINEVET, 737.610, by Allen & Hanburys, Ltd., London E.2

For optical photographic instruments (9) NETTAR, 699,838, by Zeiss Ikon, A.G., Stuttgart, Germany.

For electrical apparatus for use by veterinarians in the humane killing of animals (10)

ELECTROTHANOTRON, 735,049, by Angus MacPhail, Pinner, Middlesex.

For electro-medical acoustic apparatus, hearing aids, medical instruments and apparatus for de-tecting and estimating the degree of deafness (10) NOVATONE, B736,646, by George Taylor, London, S.W.5.

For pumps for use in stimulating the blood circulation of the scalp (10)

TRICHOSAN, 737,311, by Osan Hair-Restorer, Ltd., London, E.C.4.

For apparatus for use in the purification of waste or contaminated liquids by electrolytic action (11) HYGENSIS, 733,809, by Protamin, Ltd., Lon-

From the "Trade Marks Journal," March 9

For preparations for preserving or prolonging the freshness of cut flowers and other vegetation (1)

FLORVITA, 724,624, by Drug Houses of Australia Export, Ltd., London, W.C.2.

For chemical products for use in the cultivation of agricultural crops and flowers (1)

BAYWOOD, 735,451, by Baywood Chem'cals, Ltd., London, W.C.2.

For fatty acid derivatives being chemical substances used in industry (1)
ARMAC, 735,703, by Armour &

Illinois, U.S.A.

For all goods (5)

LEVOPUR, LEVOGEN, 737,649–50, LOVO-TONIN, LEVOSTROPHAN, 737,652–3, by Coffarom, A.G., Glarus, Switzerland. REOMINAL, 737,749, by Bayer Products, Ltd., London, W.C.2. TOCLASE, 738,139, by Chas. Pfizer & Co., Inc., Delaware, U.S.A.

PRINT AND PUBLICITY

Display Material

EVANS MEDICAL SUPPLIES, LTD., Speke, Liverpool, 19: Crowners for fitting on to the necks



of 5-oz, and 10-oz, bottles of Zant disinfectant. Obtainable from the company's depots at Liverpool, London, Newcastle and Swansea, and the Glasgow agents, the New Apothecaries Co., Ltd.

GLAXO LABORATORIES, LTD., Greenford, Middlesex: Farex display crowners. Size 93 x 93 in. and $7\frac{1}{2} \times 9\frac{3}{8}$ in.

REXALL DRUG Co., LTD., Loughborough, Leics: Display stand for Plenamins, being a trans-portable stand in two sections, usable as one unit or independently.

STEMCO, LTD., 128 Albert Street, London, N,W,1: Self-service display stand in bright



colours, with base forming tray that holds three 8-oz, tins. Onc of a series that includes a full-colour crowner for the 8-oz, Flit; a two-pack counter stand for Flit powder in puffer pack; and a full-colour window transparency. A new three-pack dispenser unit has been made available for Flit press-buttonaction insecticide.

Advertising Campaigns

ARVIN ELECTRIC, LTD., Fernbrook Avenue, Southend-on-Sea: Arvin electric shavers, In national daily and Sunday Press, and popular weekly magazines.

J. BIBBY & SONS, LTO., King Edward Street, Liverpool: Araby soap, In national daily Press, Radio Times, Woman's Sunday Mirror, Woman, Woman's Own, Woman's Weekly, 208 & View, Dublin Evening Herald, Dublin Evening Mail and on Radio Luxembourg.

BOVRIL, LTD., 148 Old Street, London, E.C.1: Jaffajuce. In national daily and Sunday and London evening newspapers and women's

INECTO HOUSE, 27 Dover Street, London, W.1:

New Inecto colour crème, Grand scale advertising.

INTERNATIONAL LABORATORIES, LTD., 205 Hook Road, Surbiton, Surrey: Neodex and Relaxa-Tabs. On Radio Luxembourg.

LONDON RUBBER CO., LTD., Hall Lane, Ching-ford, London, E.4: Suregrip rubber gloves, National campaign in Daily Express, Daily Mirror, News Chronicle, Good Housekeeping.

OLDHAM LABORATORIES, LTD., 30 South Street, Chichester, Sussex: Polyestol bandage. Picture Post, John Bull.

PHARMAX, LTD., Gravel Hill, Bexleyheath, Kent: Diuromil. In national Press, and on theatre

SMITH & NEPHEW, LTD., Welwyn Garden City, Herts: Lillets, Big advertisements in women's magazines and leading newspapers throughout

SOUPLEX, LTD., Morecambe, Lancs: Nymph ladies' safety razor. National full-colour advertising.

STEMEO, LTO., 128 Albert Street, Camden Town, London, N.W.1: Flit, New national advertising starting in the Spring, in national daily and Sunday Press, Radio Times, Illustrated, Everybody's and other periodicals, leading women's magazines and provincial newspapers in Fenand Wales Scutland and Northern in England, Wales, Scotland and Northern Ireland.

SUSIE'S PERFECT CLEANER Co., 2 Upper Duke Street, Liverpool, 1: Susie's perfect cleaner. In Woman, April 7, May 12 and June 9.

THOMPSON & CAPPER WHOLESALE, LTD., Speke, Liverpool: Mothaks, Half-page in Radio Times on March 18, and advertising during 1955 in national and provincial daily, London evening, and Sunday newspapers and women's weekly publications.

A. J. WHITE, LTO., Coldharbour Lane, London, S.E.5: Murine. In national daily and Sunday

Booklets and Leaflets

ALLEN & HANBURYS, LTD., Bethnal Green, London, E.2: "Bacterial and Virus Pneumonias, Alficetyn Suspension," "Alficetyn Suspension, Allicetyn Suspension, "Allicetyn Suspension, Chloramphenicol Cinnamate with Atropine," "A Progressive Change Ethnine," "Anxiet States," "Vi-nuphos, A Valuable General Tonic" (4-p. leaflets); "In Influenza—Sulpenin" (8-p, folder).

BRITISH CELIOPHANE, LTD., 12 Conduit Street, London, W.1: "Storage and Handling, Notes on the Use of Regenerated Cellulose Film." Pp. 4.

Catalogues

ALLEN & HANBURYS, LTD., London, E.2: Suture ncedles. Pp. 14.

L. LIGHT & Co., LTD., Poyle Trading Estate, Colnbrook, Bucks: Organic chemicals, 1955,

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Monday, March 21

FINCHLEY DIVISION, NORTH LONDON PHARMA-CEUTICAL ASSOCIATION AND NORTH METRO-POLITAN BRANCH, PHARMACEUTICAL SOCIETY, Bull and Butcher Hotel, Totteridge Corner, Whetstone, at 8 p.m. Dr. G. R. Boyes (medi-cal adviser, Allen & Hanburys, Ltd.) on "Topical Pharmaceutical Matters."

LONOON SECTION, SOCIETY OF CHEMICAL INDUS-TRY, lecture theatre, Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W.I, at 6.30 p.m. Scientific films, including "Looking Around," colour film by the Wellcome Foundation,

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, School of Pharmacy, Technical College, Plymouth, at 7.30 p.m. Visit.

Tuesday, March 22

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Consideration of motions for the Branch Representatives' meeting in London in May, and discussion on the Report of the Linstead Committee on the Hospital Pharmaceutical Service.

Wednesday, March 23

HULL CHEMISTS' ASSOCIATION and BRANCH, Imperial Hotel, Hull, at 8 p.m. Mr, D, G, Ardley (May & Baker, Ltd.) on "Largactil." Film "The Muscle Relaxants."

Thursday, March 24

BOURNEMOUTH PHARMACEUTICAL ASSOCIATION, Linden Hall Hydro, Bournemouth, at 7,30 p.m. N.P.U. Branch meeting. Mr. G. H. M. Graham (chairman, Central N.H.S. (Chemist Contractors) Committee) on "Prescription Pricing " (illustrated talk).

DUNOEE AND EASTERN SCOTTISH BRANCH, PHAR-MACEUTICAL SOLIETY, Mathers Hotel, Whitehall Place, Dundee, at 7,30 p.m. Annual meeting. Mr. T. Lowrie West on "The Work of an Executive Council,"

EDINBURGH AND SOUTH-EASTERN DINBURGH AND SOUTH-EASTERN SCOTTISH
BRANCH, PHARMACEUTICAL SOCIETY, 36 York
Place, Edinburgh, at 7.45 p.m. Annual meeting, Election of office-bearers and of delegates to the Branch Representatives' meeting in London in May. Mr. W. T. Elder (a member of the Society's Council) on "Pink String and Sealing Wax."

PORTSMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Swiss restaurant, High Street, Gosport, at 7.30 p.m. General discussion on Branch business, including resolutions for the Branch Representatives' meeting in London in May.

SWANSEA AND WEST GLAMORGAN BRANCH, PHAR-MACEUTICAL SOCIETY, Talbot hall, Mackworth Hotel, Swansea, at 7.45 p.m. "Pharmaceutical Forum."

THAMES VALIEY PHARMACISTS' Kingston Hotel, Kingston, at 7.45 p.m. Mr. A. J. Dermott (sales manager, Innoxa, Ltd.) on "Why Cosmetics?"

WESTERN [LONDON] PHARMACISTS' ASSOCIATION, Connaught Rooms, Great Queen Street, London, W.C.2, at 6 for 6,30 p.m. Annual dinner and dance. Ticket 30s. from Mr C. Evans, 135 Ladbroke Grove, London, W.11.

C. & D. WEEKLY LIST OF PRICES

A=Advanced; I.R.P.=Inclusive Retail Price; *=Tax 25 per cent.; †=Tax 75 per cent. DELAVELLE (G.B.), LTD, (from April Doz.

Go stick deodorant* standard size Easigrip pack 12 3 19 0

P.A.T.A. PROTECTED LIST (Prices notified this week by the Proprietary Articles Trade Association.)

CONTINENTAL LABORATORIES, LTD. (addi-Neutraphylline ampoules

50 x 3 c.c. 480 0 P.A.T.A. YEAR BOOK CORRECTIONS COUNTY LABORATORIES, LTD.

Amami shampoos
Nos. E1/E2*
Brylfoam No. F,51*

NEW PRODUCTS AND PACKS J. L. CAPLIN, LTD. Teacher beaker

36 0 CHILTON ELECTRIC PRODUCTS, LTD.

Chilton electric home hair 105 0

DELAVELLE (G.B.), LTD.

Doz Go Poof deodorant* 3 6 24 SUSIE'S PERFECT CLEANER CO. 1 3

Susie's perfect cleaner F. & G. TURNPENNY, LTD.

Each Caron de Paris lotion†

in Nuit de Noel perfume

THE CROOKES LABORATORIES, LTD. 30 mil

UPJOHN OF ENGLAND, LTD.
Pamine tablets 50 Pamine tablets Paminal elixir 4 oz.





Gardiner & Co. (The Scotch House) Ltd., 1, 3 & 5 Commercial Road, London, E.1. Tel: BIShopsgate 6751/3



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Let us help you solve your own sealing problem JOHN GOSHERON & COLTD GAYFORD ROAD LONDON W12





ampoules tubes and vials to all Standards

The FRANCO-BRITISH GLASS CO. LTD.,

15-17, KING STREET, ST. JAMES'S, LONDON, S.W.1 Telephone: TRAfalgar 4151

EXCITE CUSTOM WITH KENNETT PRICE MARKERS

Sets from 44/-ALPHABET

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Each figure is

ISize: 🕯 high

clean-cut, shiny white plastic.
It is almost unbreakable, will
not wear. A rinse in soapy
water makes it shine like new.
To make up, clip figures into base. They
line up themselves. Kennett markers stand

une up tnemserves. Mennett markers stand anywhere, or pin to material (bases ready pin-holed). They excite trade, reflect value. Hundreds of pieces in one set, giving thou-sands of prices guaranteed for a lifetime. Ses them. No need to buy, just look.

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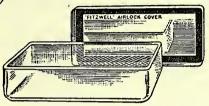
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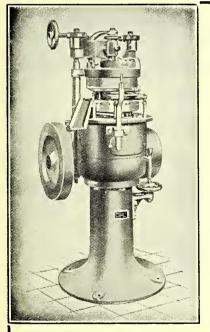
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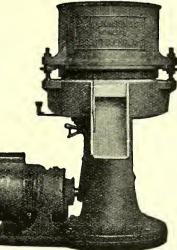


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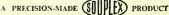
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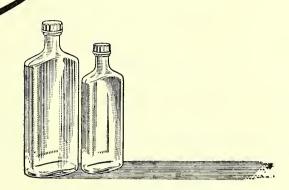


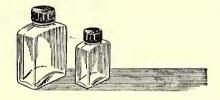


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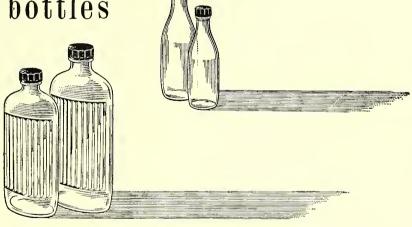
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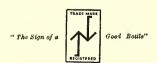
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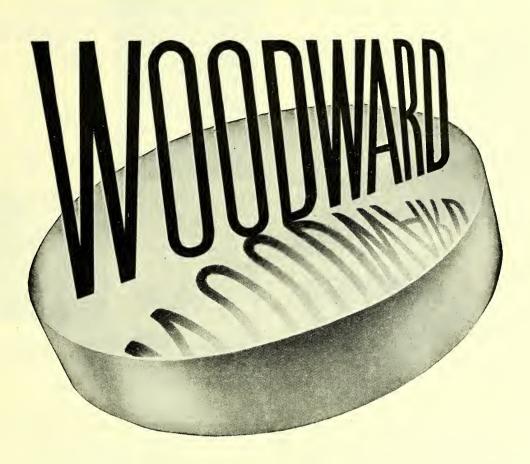
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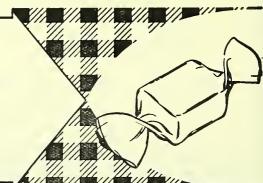
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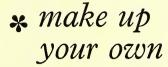
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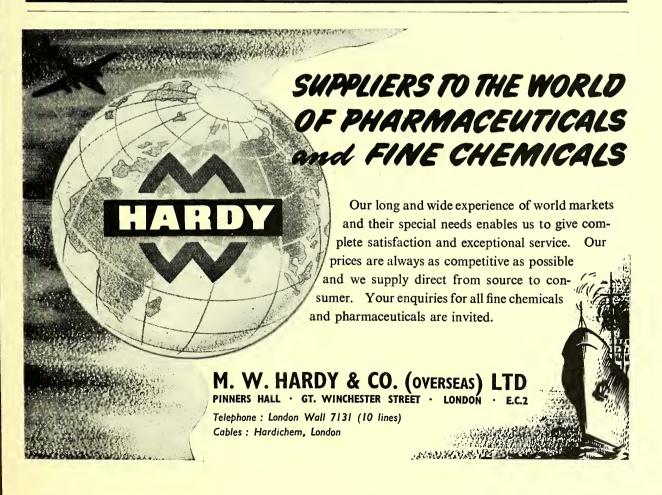
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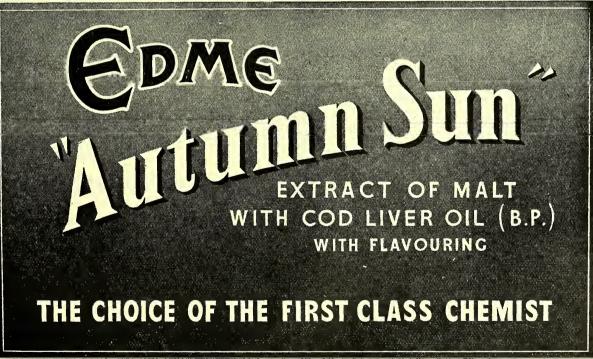
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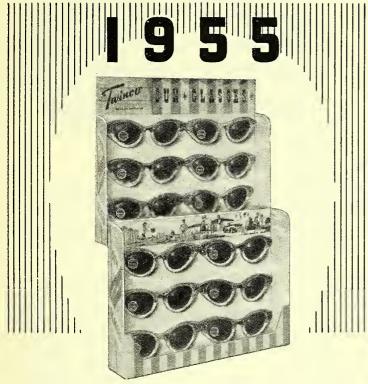
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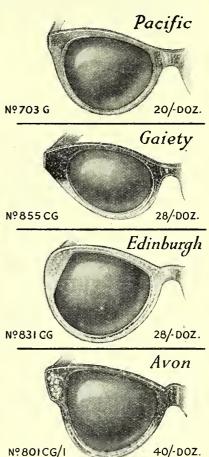
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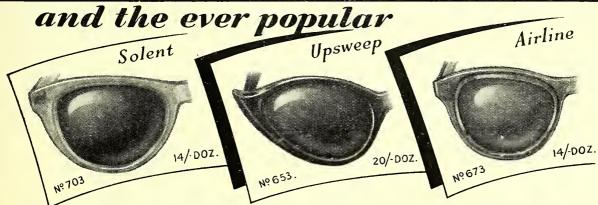
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OLDCHURCH HOSPITAL, ROMFORD

Assistant in Dispensing

Assistant in Dispensing required in the Pharmaceutical Department at Oldchurch Hospital, Romford. The Pharmacy is a very well equipped and busy department offering most interesting work. Salary according to age (range £140 at age 16 to £435 p.a.). Conditions of service in accordance with national agreement, Candidates must have the Certificate of the Soc'ety of Apothecaries of London, Apply to Group Secretary at the Hospital stating age, experience and names of two persons for reference, C 8210

CENTRAL MIDDLESEX HOSPITAL,

PARK ROYAL, N.W.10
Senior Pharmacist
Applications are invited for the post of Senior Pharmacist—Category V Hospital. Salary £525 p.a. x £25—£625 p.a., plus London Weighting, Applications, stating full particulars and the names of two referees, to Medical Director as soon as possible, C 8225

CHELTENHAM GROUP

CHELTENHAM GROUP
HOSPITAL
MANAGEMENT COMMITTEE
Senior Pharmacist
Applications are invited for the post of Senior
Pharmacist at the Cheltenham General, Eye and
Children's Hospital, The salary and conditions
of serv ce will be in accordance with the Whitley Council decisions (£525 x £25 to £625 per
annum) and subject to the National Health
Service (Superannuation) Regulations,
This is a newly created post and it is intended
that dispensing services shall be provided for
the in-pat.ents at four other units in the Group,
Applications stating age and experience, to-

Applications stating age and experience, to-gether with the names of three referees should be sent immediately to the Group Secretary, Cheltenham General, Eye and Children's Hos-pital, Sandford Road, Cheltenham. C 8154

MID-KENT HOSPITAL MANAGEMENT COMMITTEE

MANAGEMENT COMMITTEE
Chief Pharmacist
Appointment of Chief Pharmacist, Applications are invited for the post of Chief Pharmacist at the West Kent General Hospital, Maidstone, duties will include general supervision (occasional visits only) of pharmaceutical services at Lenham Sanatorium and the Maidstone Chest Clinic. Salary at present £680 rising by increments of £25 to £780 a year in category III, in accordance with the recommendations of the Pharmaceutical Whitley Council, Post vacant mid-April, Applications stating age, qualifications and details of experience, together with the names and addresses of two referres, to be forwarded to the Group Secretary, Mid-Kent Hospital Management Committee, 103 Tonbridge Road, Maidstone. C 8192

NAPSBURY MENTAL HOSPITAL, Nr. ST. ALBANS (Over 2,000 Beds)

(Over 2,000 Beds)

Dispensing Assistant

required, The Hospital is pleasantly situated and is only 18 miles from London, There are two other Dispensers in the Department, Salary according to Whitley Council scale, age 20, £240 p.a., 21, £275 p.a., 22 or over, £335, rising to £435 p.a. Preference will be given to holders of the Certificate of the Society of Apothecaries of London, or equivalent, for which an additional payment of £15 per annum is payable. Single accommodation can be provided at a reasonable charge, Written applications with full details of age, experience, qualifications, ctc., with names and addresses of two persons to whom reference may be made, to be sent to the Group Secretary.

C 8199

SPRINGFIELD HOSPITAL, **UPPER TOOTING, S.W.17**

Part-time Pharmacist

5 sessions per week, Apply stating age, qualifications and experience to Group Secretary.

C 8207

ROYAL FREE HOSPITAL, GRAY'S INN ROAD, W.C.1

Locum Pharmacist required from April 4, Salary 14 gns. per week. Applications to the Group Ch'ef Pharmacist, Royal Free Hospital, Gray's Inn Road, W.C.I.

ROYAL EAST SUSSEX HOSPITAL, **HASTINGS**

Locum Pharmacist Tequired for four weeks, August 22—September 17, at Royal East Sussex Hoppital, Hastings. Salary 15 guineas weekly. Accommodation available for female if desired. Apply to Group Secretary, 11 Holmesdale Gardens, Hastings. Phone: 5400. C 8209

ST. GEORGE'S HOSPITAL, HYDE PARK CORNER, LONDON, S.W.1

Pharmacist

required at above teaching hospital, Salary in accordance with Whitley Council Scale, Applications in writing to: Chief Pharmacist, C 8204

STOCKPORT AND BUXTON HOSPITAL MANAGEMENT COMMITTEE STOCKPORT INFIRMARY

Locum Pharmacist
required, Salary £15 0s. 0d. per week. Applications to Group Secretary, 59s Shaw Heath, Stockport, C 8229

WANSTEAD HOSPITAL, HERMON HILL, E.11

Locum Pharmacist

required for any three consecutive weeks between June 1 and September 30, 15 guineas per week.
Applications with copy testimonials to Secretary, Forest Group H.M.C., Langthorne Road, E.11.

SITUATIONS OPEN

8/6 for 36 words (min.) then 3d. per word. Box 2/-

The engagement of persons answering these advertisements must be made through a Local Office of the Ministry of Labour or a Scheduled Employment Agency if the applicant is a man aged 18-64 inclusive or a woman aged 18-59 inclusive unless he or she, or the employment, is excepted from the provisions of the Notification of Vacancies Order, 1952.

RETAIL (HOME)

ANDOVER. Experienced dispensing assistant required for good class family business. Good working conditions with ample staff. Please give all details of age, previous experience, and approximate salary required, to Wilfrid E, Dale, Ltd., 27 Market Place, Andover.

ASSISTANT PHARMACIST, whole or part-time, required for family business in S.W. London, Duties mainly dispensing, with coun-ter work when necessary, Apply with full par-ticulars to Box C 2234.





RIKER

Riker Laboratories Limited invite applications from pharmacists for the post of Medical Representative for East Yorkshire.

Previous experience in medical representation is not necessary as full training will be given. Remuneration is by salary, bonus, expenses and a new car will be provided. There is a company pension scheme in operation.

Apply in writing to the Managing Director, Morley Street, Loughborough.

Situations Open—Continued

BALHAM, S.W.12. Assistant pharmacist, male or female, required for permanent position in busy family dispensing business. Well experienced, active and able to take charge when necessary. Apply in writing, with usual particulars, to W. J. Boyes, Ltd., 61 Balham Hill. C 2233

Hill. Gentlemanly assistant required for counter and dispensing in good class business, Qualified or unqualified, Please state full particulars with salary expected to E, Williams & Son, Pharmacists, 23 Wellsway, Bath. C 2291 DONCASTER CO-OPERATIVE CHEMISTS, LTD., require the services of Pharmacists (male or female) as branch managers, Living accommodation with one post, Minimum rate £780 per annum, 44-hour week, Applications and usual particulars to Superintendent Chemist, St. Sepulchre Gate, Doncaster. C 199 EDGWARE. Unqualified dispensing assistant required for good-class pharmacy, Apply with all particulars to John Harley, Ltd., 21 North Parade, Mollison Way, Edgware, C 2244 EXPERIENCED UNQUALIFIED assistant re-

EXPERIENCED UNQUALIFIED assistant required, lady or gentleman, mainly for dispensing, some counter work when necessary, Fernanent post, Apply with full particulary formanent post, Apply with full particulary for the country of the

EXPERIENCED WINDOW DRESSER quired, Regular appointments in two shops for general displays, Phone: Cli 2696 for interview, C 2315

ILFORD. Excellent opportunity for energetic pharmacist to manage busy branch in pleasant area. Well-fitted shop, Adequate assistance, Up-to-date dispensary. Progressive salary with monthly bonus and rota duty payments. Modern flat available over branch, Permanency. Apply with full details stating when available for interview to Box C 2259.

LADY DISPENSER/BOOK-KEEPER. practice, Furnished rooms available, One dispenser already elsewhere in the practice, Halfday, Free Sundays, Send full particulars, Dr. Maurice Lee, Danbury, nr. Chelmsford, C 2294 Maurice Lee, Danbury, in Chemistord, C 2294
LONDON, Exceptional opportunity for unqualified periode essential, Unfurnished house accommodation (above shop) available if required. Apply Mr. Ross, at C. Coutts Miche, Ltd., Chemists, 175 Kentish Town Road, N.W.I. Gul 1650.

Gul 1650, C 2311
LONDON. Lady dispensing assistant urgently required for busy dispensary, Hall qualification preferred but not essential, Adecuate shop staff. Excellent prospects, Apply Mr. Rois, C, Coutts Michie, Ltd., Chemists, 175 Kentish Town Road, N.W.1. Gul 1650. C 2312

MANSFIELD, NOTTS (near). Pharmacist required to assist proprietor, Commencing salary £800 p.a., three weeks' holiday p.a.; excellent supporting staff and congenial conditions, Permanency with real prospects for suitable appli-

manency with real prospects for suitable applicant, Full particulars to J. Spaanderman, Pharmaceutical Chemist, Huthwaite, Notts. C 2288 maceutical Chemist, Huthwaite, Notts. C 2288

NORTH-EAST COAST TOWN. Pharmacist required to manage modern branch pharmacy with good dispensing practice, adequate supporting staff. Living accommodation provided at moderate rental, Permanency. Present salary £700 per annum plus bonus and rota fees. Superannuation scheme. Prospects of advancement exceptionally good. Applications and usual particulars to Box C 2250.

NORTH LONDON SUBURB. Pharmacist re-NORTH LONDON SUBURB, Pharmacist required to manage spacious, well-fitted branch with substantial counter trade. Good opportunity for ambitious man to earn top salary together with monthly bonus and rota duty payments, Permanency with superannuation benefits, ctc, Apply with full details, stating when available for interview to Box C 2260.

NOTTING HILL GATE (near). Applications are invited from experienced pharmacists for the position of Manager, with full responsibilities; must be accustomed to the working-class type of business; the post carries with it a very good salary, plus the free tree of an attractive four-roomed flat, All replies will be treated in strict confidence, Please write initially stating brief deals of career to date to Box C 8168. brief details of career to date, to Box C 8168.

PHARMACIST required for the position of Branch Manager, male or female. Applications in writing stating age, experience, and wage required, together with copies of recent testimonials to the General Manager, Heckmondwike & District Co-operative Society, Ltd., 3 Oak Street (P.O. Box No. 16), Heckmondwike, (Suitable house available.) Endorse envelope "Chemist" in the top left-hand corner, C 2249

SCOTLAND. Chemist wanted as manager of modern well-equipped pharmacy in Glasgow. An excellent salary will be paid with entry to Superannuation Scheme after initial period of service. Applications in writing stating age, experience and when available for interview to: Mr. G. M. Archibald, M.P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasrow, S.W.1. C 2285

S.W.1. C 2285
SCOTLAND. Chemist wanted with or without optics as manager of modern pharmacy in Blantyre, A good salary will be pa'd with liberal commission on all sight-terting and entry to Superannuation Scheme after initial period of service, An excellent five-apartment semi-villa is also available, Applications in writing stating age, experience and when available for interview to:—Mr, G, M, Archibald, M,P.S., Technical Supervisor, S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glasgow, S.W.1. C 2286

SCOTLAND. Chemist wanted as manager in SCOTLAND. Chemist wanted as manager in Montrose. Modern well-fitted shop with competent supporting staff, Good salary will be paid with entry to Superannuation Scheme after initial period of service. A good four-apartment house with kitchen and bathroom is also available. Applications in writing stating age, experience and when available for interview to: Mr. G. M., Archibald, M.P.S., S.C.W.S., Ltd., Retail Drug Department, 187 Bogmoor Road, Shieldhall, Glaspow, S.W.1.

TEDDINGTON. Excellent opportunity for pharmacist to manage family-type business in pleasant riverside district. Permanency with superannuation benefits, Good salary and commission. Nicely fitted shop with adequate supporting staff. Apply with full details stating when available for interview to Box C 2258.

TWICKENHAM, Pharmacist required to take full charge of small but attractive pharmacy in very pleasant riverside area, Good living accommodation. Superannuation scheme. Please give all details of age, previous experience, and approximate salary required, to Managing Director, Arnold M, Gee, Ltd., 12 High St., Colliers Wood, S.W.19. C 2305 VACANCY occurs for pharmacist lady or gentleman. Duties mainly dispensing with occasional branch relief management, Usual holidays plus one day free each month. Assistance given in obtaining accommodat.on. Rota payment duties extra. Will consider five-day week. Reply, stating experience and salary required to Box C 2281.

WEST SUSSEX. Assistant Pharmacist, male or female, to assist proprietor and take charge when necessary, Good dispensing and private business. Might suit elderly or one requiring part time. Houre or flat available. Martin, 8 Goring Road, West Worthing, Phone: Worthing, 600:100.

RETAIL (OVERSEAS)

QUALIFIED CHEMIST (male or female), age 25 to 30 required for retail pharmacy, Salisbury, Southern Rhodesia, passage paid, Three-year contract, Salary first year £80, second year £90 and third year £100 per month, Apply stating apprenticeship served and exper ence, Interview can be arranged in England, Box C 2275.

WHOLESALE

A WELL-KNOWN ethical pharmaceutical house invite applications for the position of medical representative in the Glasgow area. The territory available is an established one, Previous experience is not essential as training is given, Candidates should possess a sound pharmaceutical background, reside on and know the territory well. The position is a progressive one and remuneration is by way of salary, commission and expenses, Applications with full details will be treated with strictest confidence. Box C 8157.

AN EXPERIENCED REPRESENTATIVE required for (1) South Staffs and North Birmingham, (2) South Birmingham, Warwickshire and Worcestershire by a well-known company selling nationally to chemists and good grocers products supported by national advertising. Substantial basic salary, bonus, exceptional pension, life insurance, and dependants' benefit scheme. Car allowance, Full details to Box C 8226.

BUTLER & CRISPE, LTD., Clerkenwell Road, E.C.I., require experienced representative for Home Count.es. Are 25-35, Good prospects. Permanency. Must be car owner, Ref. H. J. C 8216

C 8216

CHEMICAL MANUFACTURERS near London have vacancies in the department engaged in formulation and development of ethical products. This work is likely to appeal to young pharmacists seeking to make a career in manufacturing pharmacy. Salary will be of the order of £600 and upwards, according to qualifications and experience, with prospects of advancement. Five-day week, Apply initially in writing, giving full details, to Box C 8213.

writing, giving tull details, to Box C 8213.

COATING AND COMPRESSING FOREMAN required by old-established, rapidly expanding company in South coast resort. Opportunity of advancement, pleasant working conditions, five-day week, canteen, etc. Substantial contribution towards removal expenses. Applicants should give details of age, experience, and wages required. Box C 8220.

FACTORY MANAGER

A rapidly expanding company manufacturing Standard Tablets is reorganising and re-equipping. In view of this expansion the services of a Factory Manager are required. Applications are invited from pharmacists with experience in all sides of tablet manufacture. The position is pensionable and normally a five-day week is worked. Canteen facilities are available. Apply to Box C 8233.

Ethical Pharmaceutical Promotion Manager

Wanted the best man in the U.K. aged 30-35 for this post. University degree (preferably Eng. lit.), knowledge of chemistry and physiology. At least 5 years' successful experience with a first-class pharmaceutical firm on the sales or ethical promotion side. The post carries full responsibility for directing an excellent force of medical representatives and the promotion and circularisation department. Send full particulars, marked "Confidential," to Managing Director, William R. Warner & Co., Ltd., Power Rd., London, W.4.

Situations Open—Continued

CHEMISTS' SUNDRIES and fancy goods wholesalers require representatives to take over existing connection covering London north of the Thames and adjacent counties, Must be first-class man experienced in the chemist trade. Salary, commission, expenses. Car provided. Apply Box C 2299. EVANS MEDICAL SUPPLIES, LTD., Ruislip,

Salary, commission, expenses, Car provided. Apply Box C 2299.

EVANS MEDICAL SUPPLIES, LTD., Ruislip, invite applications for post of medical representative in Kent and East Sussex, Apply to General Manager stating age, giving details of education, training and experience. C 8234 GENERAL SURGICAL CO., LTD., Rosebery Avenue, E.C.1, require experienced salesman for surgical equipment, syringes, blood pressure apparatus, etc., with existing connections amongst trade houses in Home Counties, Apply by letter with particulars of experience and pre-ent representation. C 2298 GOYA, LTD., have a vacancy for a first-class representative in the Gloucester, Wiltshire, Dorset and Bournemouth area, Experience of selling to chemists and departmental stores essential. Applicants should have had a good education and be of smart appearance, Please write, giving full details of past experience and age to the Sales Manager, Goya, Ltd., Badminton Court, Amersham, Bucks, C 8232 IMMEDIATE OPPORTUNITIES for trained salesmen in the chemist field dealing with pharmaceutical products. Initially a sound training in our business will be given lasting three months in London, thence field experience to qualify for vacant appointments in the British Isles, Commensurate salary to start then territory salary, commission and expenses with car provided when trained, Applicants should have selling experience to chemists or similar and preferably single, not under 25, Write full details to H.S.M., Box C 8126.

LONDON, Two first-class men required either salaried or on straight commission to sell extensively nationally advertised product, Only top class men with well-established chemists' connection considered, All details in strictest confidence to Sales Manager, Andomia Products, Ltd., Grant Street, Bradford, P.O. Box 242.

LONDON MANUFACTURING CHEMISTS invite application from pharmacist, with ex-

LONDON MANUFACTURING CHEMISTS invite application from pharmacist, with experience medical representation, London area. Box C 2293.

MANAGER REQUIRED for invoicing and pr.c.ng department, 5-day week; pension scheme. Apply in writing only, stating experience, are and salary required to the Personnel Manager, The Crookes Laboratories, Ltd., Gorst Road, Park Royal, London, N.W.10.

MEDICAL REPRESENTATIVE. Owing to exmedical REPRESENTATIVE. Owing to expansion, a well-known ethical house wish to appoint a first-class man to take over their established connection in South Yorkshire. Previous experience in this field of work is not essential but candidates must have a good technical background. The position is pensionable and remuneration is by way of salary, commission and expenses. Residence in or near Sheffield is desirable. Write in confidence giving full details of previous experience, etc., to Box C 8183.

PARKE, DAVIS & CO., LTD., require a young pharmacist for an appointment in their foreign sales department, Knowledge of one or more languages an advantage for this interesting and progressive position. Five-day week. Pension scheme. Apply in first instance to the Personnel Manager, Parke, Davis & Co., Ltd., Staines Road, Hounslow, Middlesex. C 8176

PHARMACIST REQUIRED by West of England firm, aged 25/35, with some manufacturing experience, to take control of Galenical Laboratories, Apply Box C 8214.

PROCESS WORKERS fully experienced in the production of galenicals, required by C. J. Hewlett & Son, Ltd., for their new factory at Watford, 5-day week, canteen, Applications for interview to Staff Manager, Watford 7761.

C 8197

QUALIFIED duties mostly dispensing, 44-hour week, no Battles, Ltd., Chemists, Stonebow, Lincoln.

BEPRESENTATIVES wanted, calling on chemists and stores in Wales, Glasgow, and N.E., S.W., E., S.E., and Southern Count'es England, Gencrous commission on very competitive line, Box C 2280,

REPRESENTATIVE REQUIRED by firm of manufactur.ng chemists to call on doctors, hoppitals and chemists in connection with ethical pharmaceutical specialities, Territory, Yorkshir Applicant must live on ground. Box C 2276.

REPRESENTATIVES WANTED calling on chemists in London and all counties throughout Great Britain to carry additional nationally advertised dental preparation. Expenses and generous commission, Write stating area covered and other lines carried. Box C 8218.

REPRESENTATIVES

with good connections with chemists, stores, wholesalers, etc., required by a top ranking firm of Continental toilet preparations manufacturers who are preparing to launch their products on the English market. A full-scale national advertising campaign is scheduled for commencement in Woman, Woman's Own, etc., on June 2, Although representatives will be on a commiss on basis at first it will not be a question of "pioneering" as full-scale advertising will create immediate demands. The areas open are:—London; Yorkshire and/or Counties north thereof; Surrey, Sussex, Kent; Home Counties; West of England; Northern Ireland, This is an excellent opportunity for the right men. Write in the first instance to Box C 8231 giving details of area covered, period between visits and type of other lines carried. with good connections with chemists, stores,

SALES REPRESENTATIVE required by an established house to develop their interests in the Devon/Cornwall area. Company are manufacturing chemists with a range of products covering most needs of the pharmacist. Full details in first instance to H.S.D., Box C 8739.

TABLET COMPRESSORS required by old-TABLET COMPRESSORS required by old-established, rapidly expanding company in South coast resort. Opportunity for advance-ment, pleasant working conditions, five-day week, canteen, etc. Substantial contribution towards removal expenses, Applicants should give details of age, experience, and wages re-quired. Box C 8221.

TABLET MAKER, experienced in all processes, required for small expanding department in West London factory, 5-day week. Consenial post, Write in confidence, stating wages required, Box C 8228.

TABLET MAKER required. Fully experienced. Knowledge of sugar coating an advantage. Good prospects for man with initiative, Apply to Willows Francis, Ltd., 73-75 Shacklewell Lane, London, E.8. C 8223

THE CROOKES LABORATORIES LIMITED Medical Representatives
Applications are invited for representatives to co.er (a) Birmingham area and (b) Sheffield, Derbyshire, Nottinghamshire and Lincolnshire. A pharmaceutical qualification or an adequate technical background is essential Capitates should meferably is essential, Candidates should preferably be aged 25-40 and possess personal ty and initiative. Each appointment carries a proinitiative. Each appointment carries a progressive salary and an annual bonus/commission payment, directly associated with territorial results obtained, together with an adequate expense allowance. The positions are superannuated and only candidates with a keen desire to progress should apply. in writing, to the Sales Director, The Crookes Laboratories, Ltd., Gorst Road, Park Royal, N.W.10.

UNIQUE OPPORTUNITY for experienced drug and sundries traveller with established connection amongst retail chemists covering Lines, Notts, Derbys and Yorks, to repre ent old-established firm, Salary, commission, expenses, Box C 8230.

WHOLESALE (OVERSEAS)

PLANT MANAGER required for extraction plant in East Africa. Applicant should have East Africa. plant in East Africa, Applicant should have chemical engineering knowledge and be capable of controlling European and Native labour. Responsible for plant installations and general maintenance, Must be conscientious and undertake control of plant process, Salary from £1,500 upwards according to experience. Home leave, pension and bonus scheme. Write Box "MR/49," c/o 95 Bishopsgate, E.C.2.

SITUATIONS WANTED

3/- for 18 words (min.) then 2d. per word.

WHOLESALE

ACTIVE REPRESENTATIVE desires change; experienced, connection with chemists, etc., retail and wholesale, Lancashire, Cheshire, Midlands, Yorkshire; salary and expenses. Box C 2302.

ARFA MANAGER. Age 39, 10 years present firm. Established wholesale connection North of England, Qualified administrator, sales instructor, promotion campaigns, Car owner. Seeks appointment as sales manager or similar post, Box C 2303.

DOCTOR, working part-time as medical adviser to small pharmaceutical company, seeks other similar or full-time appointment. Box C 2266.

NORTHERN IRELAND situation required by experienced pharmacist (Southern Ireland degree). Wholesale or laboratory work preferred, Box C 2225.

PHARMACIST, 39, Northerner, experienced in retail and smaller-scale machine manufacturing, desires post as production assistant with good firm on large-scale production of pharmaccutical or sterile products, Box C 2290,

SOUTH WALES. Situation required by experienced representative, Long-established chemists' connection, Pleasing appearance, Own car. Telephone, Box C 2306,



AGENT(S) required for Prominent British Manufacturing Chemists specialising in Veterinary Products. Must have complete Eire representation and be able to handle importation and distribution from Dublin. Apply with fullest details, in strict confidence, to Box C 8222.

ENSIGN

SURPLUS TO EXPORT REQUIREMENTS

EXPIRY DATE DECEMBER 1956

FINE GRAIN PAN 620 and 127

18/- per dozen £9 per gross

F. E. JONES 3 BREEZE HILL IVERPOOL - 9

Situations Wanted—Continued

SALES MANAGER. Long experience with major nationally known company marketing proprictary medicines and toiletries seeks an appointment with an independent, go-ahead company. Exceptional knowledge of modern marketing methods, sales promotion, recruitment and control of salesmen, Long record of progress and happy relations with staff. Unusual but sound reasons for making change. Box C. 2308. Box C 2308.

AGENCIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

AGENT calling on retail chemists required for intere-ting product with very good sales prospects. Box C 2301.

AGENT required for Devon and Cornwall by a well-known company selling nationally to chemists and good grocers products supported by national advertisine, Commission basis. Full details to Box C 8227.

AGENT RPOUTRED with e-tablished connections with Hospitals, Ministries, etc., for easily saleable new article possessing amazing qualities, Box C 2309.

AGENTS WANTED in various parts of the country to introduce chamois leathers to chemists direct from manufacture. Speciality packs showing 50 per cent, on cost, Dales Leather Co., Ltd., Station Road, Otley, Yorkshire.

DELAYELLE require live agent for South and

Leather Co., Ltd., Station Road, Otley, Yorkschire.

C 8215

DELAVELLE require live agent for South and Mid-Wales, Nationally advertised products include "Blue Orchid" range, "Go" deodorants and "Creamoil." Outlets: retail chemists, stores and most wholesalers, Connection available and terms excellent. Write fully to: 38/46 Orsman Road, London, N.1. C 8237

FIRST-CLASS AGENTS REQUIRED for rapid-celling, extensively nationally advertised product. Only top-class men with well-established chemists' connection considered, All details regarding territory, present agencies, photograph, etc., first letter, In very strictest confidence. Areas open: 1, Glasgow and W. Scotland; 2, Edinburgh and Lothians; 3, Northumberland and Durham; 4, S. Wales; 5, Bristol and West Country; 6, Home Counties; 7, Hants, Wilts and Dorect; 8, N, Ireland, Sales Manarer, Andomia Products, Ltd., Grant St., Bradford, P.O. Box 242. C 8182 P.O. Box 242. C 8182

WANTED

17/6 for 36 words (min.) then 4d. per word. Box 2/-

MEDICAL BOTTLES, tablet bottles, closures and all types of packaging materials purchased, no quantity too large. Samples and full details to Noel Davold & Co., 9 Laurence Pountney Lane, Cannon Street, E.C.4. Mansion House 3951-2. C 178 WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our repre entative will call anywhere, Write or telephone:—Lawrence Edwards & Co., Ltd., 6/7 Wellington Close, Ledbury Road, London, W.11, Tel.: Bayswater 4020, 7692. C 140

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines. Surplus and Redundant Stocks, Should you have anything for disposal, pleare send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3, C 153

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word. Box 2/-

PROGRESSIVE South Wales space and adequate transport facilities, would undertake warehousing and distribution direct to manufacturers' own customers, If ability to deliver from stock interests you, we invite you to communicate in strict confidence with Box C 2280

C 2289

SILICONE RUBBER for extreme temperatures, extremely long life, frequent sterilisation and recearch work: bungs, bottle cap liners, washers, teats for drop bottles, tubing, hospital sheeting and mouldines to customers' specifications. Esco (Rubber), Ltd., 34/36 Somerford Grove, London, N.16.

STRIP PACKED ASPIRIN TABLETS, B.P., 5 gr, Inquiries solicited, The Dales Tablet Makers, Ltd., Steeton, Yorkshire C 185

AGENCIES WANTED

8/6 for 36 words (min.) then 3d. per word. Box 2/-

NORTHERN IRELAND, Agent covering hospitals, chemists and medical profession requires additional lines, Box C 2310.

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.

ASSORTED MEN'S HAIR BRUSHES at 1/11 doz. 1/3d.). ASSORTED MEN'S HAIR BRUSHES at 1/11 each plus postage (6—11d, doz. 1/3d.). Assorted shaving brushes at 1/3d. each plus postage (6—7d, doz. 11d.), C.o.d. or cash with order. Nylon tooth-brushes packed in cardboard cartons, each containing two dozen. One carton (2 doz.) 8s, Six containing 500, £6 7s. 6d, Carriage paid home, Cash with order or c.o.d. Selwin (Northwich), Ltd., Northwich, Cheshire. C2224

GRANDE VINO SPANISH BURGUNDY, vintage 1952, bottles 60/- per dozen, delivered free cartons. The finest value you can offer your customers. Samples available on request. Carter & Co. (Wines), Ltd., 51 Dean Lane, Bristol. 3.

Bristol, 3. C 2296

HALIBUT LIVER OIL CAPSULES B.P. (1 to 2 million) for sale in bulk, First-class quality, prompt delivery. Write Box C 2295.

MODERN CHEMIST SHOPFITINGS, drug ranges, wall cases and frameless sliding doors display counters and showcases; all types of window fittings and display stands, D. Mathews & Son, Ltd., Complete Chemist Shop Fitters and Shop Front Builders, 14/16 Manchester Street, Liverpool, C 141

FOR SALE, 300 x 1-pint bottles Allen & Hanburys Syrupus Sennae at 3/- per bottle, 120 x 8-oz, jars Eli Lilly's "Amertan" Tannic Ac'd Jelly at 2/3 per jar, Both net ex Manchester, Box C 2292.

SPENT TOLUT. About 5 cwts, available London, Best offers to Box C 8217.

SURPLUS TO REQUIREMENTS, approximately: 2 gross 4 oz. feeding bottles, 18/gross; 14 gross tablet bottles, 6/- gross; 61,000 tabs, quin, hel., gr. 2, at 15/- 1,000; 49,000 tabs, pot. chlor., gr. 5, at 3/- lb.; 23,000 tabs, sulphanilamide, at 6/- 1.000; 18,000 tabs, laxative, at 8/- 1,000; 23,000 tabs, cret, aromat, c. Opio, at 6/- 1,000; 23,000 tabs, hyorey and camph. co., at 5/- 1,000, All carriage forward. Box C 2297.

SALES BY AUCTION

18/- per half-inch (min.) and pro rata. Box 2/-

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TENDERS

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TENDERS FOR DRUGS
The South West Metropolitan Hospital Pharmacists Committee, on behalf of the participating Hospital Management Committees and Boards of Governors of Teaching Hospitals, invites tenders for the supply of drugs to various Hospitals in the Region and to certain Teaching Hospitals in London for a period of one year from JULY 1, 1955.
The items comprise general drugs and chemicals (including glycerin, liquid and soft parafins, malt extract, methylated spirit and soft soap), hormone preparations, vitamin preparations, ointments, injections (including radiologicals), capsules and tablets.
Applications for tender forms should be made in writing to the Contracts Officer:—W, E, L. Jones, Esq., Supplies Department, St. Helier Group Hospital Management Committee, St. Helier Hospital, Carshalton, Surrey, Due date for return of tenders:—April 4, 1955,
W, S, BENJAMIN,
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